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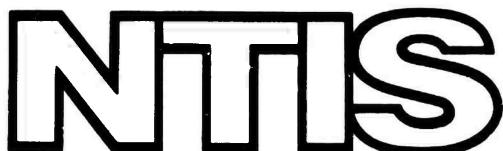
**ATMOSPHERIC STRUCTURE WHITE SANDS  
MISSILE RANGE, NEW MEXICO. PART 2.  
TEMPERATURE, RELATIVE HUMIDITY,  
DEW POINT, STATION PRESSURE, DENSITY,  
CLOUDS, HYDROMETEORS, AND LITHOMETEORS**

**Marjorie McLardie Hoidal, et al**

**Army Electronics Command  
White Sands Missile Range, New Mexico**

**April 1974**

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Reproduced by NATIONAL TECHNICAL INFORMATION SERVICE U S Department of Commerce Springfield VA 22151		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)  A statistical analysis of exoteric meteorological data is presented for "A" Station, White Sands Missile Range, New Mexico. The atmospheric parameters analyzed are surface temperature, relative humidity, dew point, pressure, density, precipitation, and observed weather and clouds. This climatological information is based on the period of observation from 1951-1973.		

ATMOSPHERIC STRUCTURE  
WHITE SANDS MISSILE RANGE, NEW MEXICO  
PART 2  
TEMPERATURE, RELATIVE HUMIDITY, DEW POINT, STATION PRESSURE,  
DENSITY, CLOUDS, HYDROMETEORS, AND LITHOMETEORS

By  
Marjorie McLardie Hoidale  
and  
Lamar Newman

DR-822

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ATMOSPHERIC SCIENCES LABORATORY  
WHITE SANDS MISSILE RANGE, NEW MEXICO

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11

## FOREWORD

This report is a revision of Data Report 590 published under the same title in January 1971. The revision updates the original data to cover the period from 1951 through 1973.

*Supersedes AD-883071L*

#### **ACKNOWLEDGEMENTS**

It would be impossible to acknowledge all whose work have made this report possible; however, the authors do wish to acknowledge the very important contribution made by the military surface observers who collected and edited the initial records during the years 1951 through 1973. Without their records this report could never have been written.

## CONTENTS

	PAGE
INTRODUCTION -----	1
EXPLANATION OF TERMS -----	3
FIGURES	
1. Map of White Sands Missile Range -----	2
SECTION I. TEMPERATURE, RELATIVE HUMIDITY, AND DEW POINT	
Mean Number of Days Per Month, Dry-Bulb Temperature (Table I) -----	8
Minimum, Maximum, and Mean Duration in Hours by Month- Dry-Bulb Temperature (Table II) -----	10
Mean and Extreme Dry-Bulb Temperature and Relative Humidity by Month and by Hour/Mean and Extreme Dew Point by Month and by Hour (Table III) -----	12
Monthly and Annual Temperature Means and Extremes (°Fahrenheit) at Seven WSMR Sites (Table IV) -----	36
Diurnal Variation of the Relative Frequency Distribution of Temperatures by Month and by Hour (Table V) -----	37
SECTION II. DENSITY AND PRESSURE	
Mean and Extreme Density and Station Pressure by Month and by Hour (Table VI) -----	62
SECTION III. CLOUDS	
Diurnal Variation of the Relative Frequency Distribution of Cloudiness Types by Month and by Hour (Table VII) -----	77

CONTENTS (CONT)

	PAGE
<b>SECTION IV. WEATHER</b>	
Monthly and Annual Mean Precipitation (Inches) at Seven WSMR Sites (Table VIII (a) -----	90
Annual Rainfall (Inches) by Years at "A" Station 1950-1973 (Table VIII (b) -----	90
Monthly and Annual Precipitation Means and Extremes (Inches) at "A" Station 1950-1973 (Table VIII (c) -----	91
Monthly and Annual Mean and Maximum Snowfall (Inches) at "A" Station 1950-1973 (Table VIII (d) -----	91
Minimum, Maximum, and Mean Number of Days Per Month for Various Weather Conditions (Table IX) -----	92
Minimum, Maximum, and Mean Duration in Hours of the Various Weather Conditions by Month (Table X) -----	93
Diurnal Variation of the Relative Frequency Distribution of Weather Conditions by Month and by Hour (In Percent) (Table XI) -----	94
<b>LITERATURE CITED -----</b>	<b>106</b>

## INTRODUCTION

Activities of various projects on the Range often necessitate a knowledge of atmospheric conditions at the surface, or aloft, weeks or months in advance of the scheduled mission. As this is well beyond the capability of the normal 24-56 hour forecast, or the longer five-day outlook, a statistical analysis of exoteric meteorological data is often desirable.

This report presents the frequency of occurrence of the critical meteorological condition, mean values, and extreme conditions classified by months and hours that can be expected at "A" Station, White Sands Missile Range (WSMR), New Mexico, latitude  $32^{\circ} 22' 42''$  north, longitude  $106^{\circ} 28' 47''$  west, elevation 4,238 feet above mean sea level (MSL). The eight surface parameters so analyzed are temperature, relative humidity, dew point, station pressure, density, precipitation, and observed weather and clouds. The statistical information is based on the observational period 1951-1973. It must be realized, however, that the data presented in this type of statistical analysis are merely an aid and not the final or complete answer to scheduling a mission successfully from the meteorological standpoint. Averages or means do not give information on the random variability of monthly or hourly values or long-term climatic changes.

A statistical analysis of sky cover, surface wind conditions, and visibility appeared in Report 1 of this series [1], while climatological information on upper air data at various test sites on the Range appears in Report 3 in the series [2, 3, 4, 5, 6, 7].



FIGURE 1. MAP OF WHITE SANDS MISSILE RANGE

## EXPLANATION OF TERMS

1. DRY-BULB TEMPERATURE. Technically, the ambient temperature registered by the dry-bulb thermometer of a psychrometer. However, it is identical with the temperature of the air and may also be used in that sense. [8]
2. RELATIVE HUMIDITY. The ratio, expressed as a percentage, of the actual vapor pressure in the air to the amount that would be present if the air were saturated at the same pressure and temperature. [8]
3. DEW POINT TEMPERATURE. The temperature to which a given parcel of air must be cooled at constant pressure and constant water-vapor content in order for saturation to occur. [8]
4. STATION PRESSURE. The atmospheric pressure at the assigned station elevation. [8]
5. HYDROMETEORS. A hydrometeor is a meteor consisting of liquid or solid water particles which are either falling through or suspended in the atmosphere, blown from the surface by wind, or deposited on objects. Some examples are fog, rain, drizzle, freezing rain, hail, snow, blowing snow, etc. [8]
6. LITHOMETEORS. A lithometeor is a meteor consisting of a visible concentration of mostly solid, dry particles. The particles are more or less suspended in the air or lifted from the ground by wind. The term includes such dry atmospheric suspensoids as dust, haze, smoke, sand, etc. [8]
7. TEMPERATURE EXTREME. In climatology, the highest and, in some cases, the lowest temperature observed during a given period or during a given month or season of that period. If this is the whole period for which observations are available, it is the absolute extreme. [9]
8. DENSITY. [10]

$$\rho_x = 248.43 \left[ \frac{P_x}{K_{vx}} \right] \text{ grams/cubic meter}$$

8. DENSITY. [cont'd]

$$K_{vx} = K_x \left[ \frac{P_x}{P_x - 0.378 e_x} \right]$$

$$e_x = 0.0611 f_x 10^{7.5} C_x / C_x + 237.3$$

$$K_x = C_x + 273.16$$

where,

$\rho_x$  = Density

$P_x$  = Pressure, in millibars

$K_{vx}$  = Virtual temperature in degrees Kelvin

$e_x$  = Partial pressure of aqueous vapor, in millibars

$C_x$  = Temperature, ° Centigrade

$K_x$  = Temperature, Absolute, in ° Kelvin

$f_x$  = Relative humidity, per cent

9. CUMULUS. Dense clouds with vertical development; the upper surface is dome-shaped and exhibits rounded protuberances, while the base is nearly horizontal.

When the cloud is opposite the sun, the surfaces normal to the observer are brighter than the edges of the protuberances. When the light comes from the side, the clouds exhibit strong contrasts of light and shade; against the sun, on the other hand, they look dark with a bright edge. [11]

10. CUMULONIMBUS. Heavy masses of cloud, with great vertical development, whose cumuliform summits resemble mountains or towers, whose upper parts have a fibrous texture, and often spread out in the shape of an anvil.

Virga frequently trails from the base, which resembles nimbostratus. This base has often a layer of very low ragged clouds below it (fractostratus, fractocumulus).

Cumulonimbus clouds are generally associated with showers of rain or snow and sometimes of hail, and often with thunderstorms. [11]

11. MAMMATO-CUMULUS. (*Cumulonimbus mammatus*). This description is given to all clouds whose lower surfaces resemble pouches. This form is found especially in stratocumulus and in cumulonimbus, either at the base or, more commonly, on the lower surface of anvil projections. It is also found, though rarely, in cirrus clouds, probably when they have originated in the anvil of a dispersing cumulonimbus. [11]
12. CIRRUS. Detached clouds of delicate and fibrous appearance, without shading (except *cirrus nothus*), generally white in color, often of a silky appearance.

Cirrus appears in such forms as isolated tufts, lines drawn across a blue sky, branching feather-like plumes, curved lines ending in tufts, etc.; they are often arranged in bands which cross the sky like meridian lines, and which, owing to the effect of perspective, converge to a point on the horizon, or two opposite points (cirrostratus and cirrocumulus often take part in the formation of these bands). [11]

13. CIRROSTRATUS. A thin, whitish veil which does not blur the outlines of the sun or moon, but usually gives rise to halos. Sometimes it is quite diffuse and merely gives the sky a milky look; sometimes it more or less distinctly shows a fibrous structure with disordered filaments. [11]
14. CIRROCUMULUS. A cirriform layer or patch composed of small white flakes or of very small globular masses, usually without shadows, which are arranged in groups or lines, or more often in ripples resembling those of the sand on the seashore. [11]
15. STRATUS. A low, uniform layer of cloud, resembling fog, but not resting on the ground. [11]
16. STRATOCUMULUS. A layer (or patches) composed of laminae, globular masses or rolls; the smallest of the regularly arranged elements are fairly large; they are soft and grey, with darker parts.
17. FRACTOSTRATUS. When a layer of stratus is broken up into irregular shreds, it is designated "fractostratus". [11]
18. FRACTOCUMULUS. This cloud resembles ragged cumulus, in which the different parts show constant change. [11]

19. ALTOCUMULUS. A layer (or patches) composed of laminae or rather flattened globular masses, the smallest elements of the regularly arranged layer being fairly small and thin, with or without shading. These elements are arranged in groups, in lines, or waves, following one or two directions, and are sometimes so close together that their edges join.

The thin translucent edges of the elements often show irisations which are rather characteristic of this class of cloud. [11]

20. ALTOSTRATUS. Straited or fibrous veil, more or less grey or bluish in color. This cloud is like thick cirrostratus but without halo phenomena; the sun or moon shows vaguely, with a faint gleam, as though through ground glass. Sometimes the sheet is thin, with forms intermediate with cirrostratus. Sometimes it is very thick and dark, sometimes even completely hiding the sun or moon. In this case differences of thickness may cause relatively light patches between very dark parts; but the surface never shows real relief, and the straited or fibrous structure is always seen in places in the body of the cloud.

Every form is observed between high altostratus and cirrostratus on the one hand, and low altostratus and nimbostratus on the other.

Rain or snow may fall from altostratus (altostratus precipitans), but when the rain is heavy, the cloud layer will have grown thicker and lower, becoming nimbostratus; but heavy snow may fall from a layer that is definitely altostratus. [11]

21. NIMBOSTRATUS. A low amorphous and rainy layer, of a dark grey color, usually nearly uniform; feebly illuminated seemingly from inside. When precipitation occurs, it is in the form of continuous rain or snow. However, nimbostratus may occur without rain or snow.

There is often precipitation which does not reach the ground; in this case the base of the cloud is usually diffuse and looks wet because of the general trailing precipitation, virga, so that it is not possible to determine the limit of its lower surface. [11]

## SECTION I

### TEMPERATURE, RELATIVE HUMIDITY, AND DEW POINT

	PAGE
Table I. Mean Number of Days Per Month, Dry-Bulb Temperature -----	8
Table II. Minimum, Maximum, and Mean Duration in Hours by Month-Dry-Bulb Temperature -----	10
Table III. Mean and Extreme Dry-Bulb Temperature and Relative Humidity by Month and by Hour/Mean and Extreme Dew Point by Month and by Hour -----	12
Table IV. Monthly and Annual Temperature Means and Extremes ( $^{\circ}$ Fahrenheit) at Seven WSMR Sites -----	36
Table V. Diurnal Variation of the Relative Frequency Distribution of Temperatures by Month and by Hour -----	37

TABLE I  
 MEAN NUMBER OF DAYS PER MONTH - DRY BULB TEMPERATURE  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH	DRY BULB TEMPERATURE (DEG F)					TOTAL DAYS OBSERVED
	<32	≥20 <32	≥10 <20	≥0 <10	<0	
JAN	11	9	1	0	0	645
FEB	7	6	0	0	0	588
MAR	3	2	0	0	0	646
APR	0	0	0	0	0	625
MAY	0	0	0	0	0	655
JUN	0	0	0	0	0	633
JUL	0	0	0	0	0	650
AUG	0	0	0	0	0	656
SEP	0	0	0	0	0	635
OCT	0	0	0	0	0	661
NOV	3	2	0	0	0	632
DEC	11	9	0	0	0	667

TABLE I (CONT)  
 MEAN NUMBER OF DAYS PER MONTH - DRY BULB TEMPERATURE  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH	DRY BULB TEMPERATURE (DEG F)			TOTAL DAYS OBSERVED
	$\geq 100$	$\geq 95$	$\geq 90$	
JAN	0	0	0	645
FEB	0	0	0	588
MAR	0	0	0	646
APR	0	0	0	625
MAY	0	1	6	655
JUN	2	10	20	633
JUL	3	13	23	650
AUG	1	6	18	656
SEP	0	1	8	635
OCT	0	0	0	661
NOV	0	0	0	632
DEC	0	0	0	667

TABLE II  
 MINIMUM, MAXIMUM, AND MEAN DURATION IN HOURS BY MONTH - DRY BULB TEMPERATURE  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH	DRY BULB TEMPERATURE (DEG F)										OBSERVATIONS						
	<32			20 <32			10 <20			>0 <10							
	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN						
JAN	191	87	17	145	64	12	62	9	0	21	1	0	9	0	0	0	15679
FEB	133	46	0	113	35	0	27	4	0	3	0	0	0	0	0	0	14372
MAR	78	16	0	68	12	0	4	0	0	0	0	0	0	0	0	0	15758
APR	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	15088
MAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15550
JUN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14870
JUL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15543
AUG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15750
SEP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15227
OCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15977
NOV	43	13	0	33	9	0	0	0	0	0	0	0	0	0	0	0	15124
DEC	182	60	11	145	46	3	12	1	0	2	0	0	0	0	0	0	15236

TABLE II (CONT.)  
 MINIMUM, MAXIMUM, AND MEAN DURATION IN HOURS BY MONTH - DRY BULB TEMPERATURE  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH	DRY BULB TEMPERATURE (DEG F)			>90			>95			>100		
	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN
JAN	0	0	0	0	0	0	0	0	0	0	0	0
FEB	0	0	0	0	0	0	0	0	0	0	0	0
MAR	0	0	0	0	0	0	0	0	0	0	0	0
APR	0	0	0	0	0	0	0	11	1	0	0	0
MAY	11	0	0	34	3	0	75	23	0	15550	15088	15758
JUN	45	8	0	122	40	1	277	120	3	14870	14372	15679
JUL	48	6	0	166	46	2	295	132	5	15543	15750	
AUG	9	1	0	84	18	1	204	85	6	15227		
SEP	0	0	0	35	3	0	115	28	1	15977		
OCT	0	0	0	0	0	0	4	0	0	15124		
NOV	0	0	0	0	0	0	0	0	0	15236		
DEC	0	0	0	0	0	0	0	0	0			

TABLE III

HIGH AND DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MINUTE AND HOUR  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF JANUARY

## DRY BULB TEMPERATURE (DEG F)\*

## RELATIVE HUMIDITY (PERCENT)

HOUR	TOTAL OBSERVATIONS		TOTAL OBSERVATIONS		TOTAL OBSERVATIONS	
	HIGH	LOW	HIGH	LOW	HIGH	LOW
0	66.0	47.5	-1.0	65.1	100	47
1	66.0	41.8	-1.0	65.7	100	46
2	67.0	40.8	-4.0	65.7	100	50
3	66.0	40.0	-3.0	65.7	100	51
4	66.0	39.2	-3.0	65.7	100	52
5	65.0	38.5	-3.0	65.7	100	54
6	65.0	37.7	-6.0	65.8	100	55
7	64.0	37.1	-6.0	66.0	100	55
8	65.0	38.9	-4.0	66.0	100	53
9	67.0	42.2	1.0	66.0	100	48
10	67.0	45.0	4.0	65.9	100	44
11	69.0	47.7	7.0	66.0	100	40
12	71.0	50.3	17.0	65.8	100	37
13	73.0	52.4	14.0	65.9	96	34
14	75.0	53.6	13.0	66.1	99	33
15	76.0	54.5	13.0	66.1	100	32
16	76.0	54.1	12.0	66.0	100	32
17	74.0	51.7	12.0	64.9	99	35
18	71.0	43.6	4.0	63.9	100	39
19	71.0	46.8	7.0	63.7	100	41
20	70.0	45.0	6.0	63.9	100	42
21	71.0	44.9	6.0	63.8	100	43
22	70.0	43.9	4.0	63.9	100	44
23	68.0	43.3	1.0	64.0	100	45
BY MONTH		45.0	-6.0	156.3	100	44
						141.84

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

## MONTH OF JANUARY

## NEW POINT (UFG F)

MONTH	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	48.0	21.9	-21.0	651
1	49.0	21.8	-21.0	657
2	50.0	21.6	-16.0	657
3	50.0	21.7	-9.0	657
4	49.0	21.5	-17.0	657
5	50.0	21.5	-25.0	657
6	50.0	21.6	-15.0	657
7	49.0	21.2	-21.0	661
8	46.0	22.1	-13.0	659
9	50.0	22.6	-11.0	659
10	49.0	22.9	-13.0	658
11	51.0	22.8	-19.0	660
12	51.0	23.0	-11.0	658
13	49.0	22.6	-14.0	659
14	49.0	22.3	-25.0	661
15	49.0	22.1	-15.0	661
16	49.0	21.8	-18.0	660
17	49.0	21.8	-17.0	649
18	49.0	22.4	-21.0	639
19	48.0	22.2	-14.0	637
20	47.0	22.1	-14.0	639
21	46.0	21.9	-14.0	638
22	46.0	21.6	-23.0	638
23	46.0	21.4	-27.0	640

TABLE III (CONT.)  
 MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY OF DAY AND NIGHT  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF FEBRUARY

DRY BULB TEMPERATURE (DEG F)\*

RELATIVE HUMIDITY (PERCENT)

HOUR	TOTAL OBSERVATIONS			TOTAL OBSERVATIONS		
	HIGH	MEAN	LOW	HIGH	MEAN	LOW
0	69.0	45.7	10.0	60.3	10.0	42
1	69.0	44.8	9.0	60.4	10.0	43
2	68.0	44.0	10.0	60.3	10.0	44
3	65.5	43.0	13.0	60.3	10.0	44
4	67.0	42.1	10.0	60.4	10.0	47
5	65.0	41.3	8.0	60.5	10.0	47
6	64.5	40.6	9.0	60.3	10.0	48
7	64.0	40.0	10.0	60.4	10.0	50
8	66.0	42.5	12.0	60.3	10.0	47
9	68.0	45.5	15.0	60.4	10.0	43
10	65.0	44.4	13.0	60.4	10.0	37
11	72.0	51.2	17.0	60.4	10.0	35
12	77.0	53.8	17.0	60.5	9.9	33
13	79.0	55.7	18.0	60.4	9.6	30
14	81.0	57.0	17.0	60.4	9.9	26
15	78.0	57.8	21.0	60.5	9.7	27
16	80.0	57.7	21.0	60.4	9.6	27
17	77.0	56.2	20.0	59.4	9.8	28
18	72.0	53.1	18.0	58.6	9.6	32
19	71.0	50.9	18.0	58.5	9.9	34
20	71.0	49.5	18.0	58.5	9.8	36
21	69.0	44.4	18.0	58.6	9.6	37
22	72.0	47.4	15.0	58.6	9.7	39
23	69.0	46.6	12.0	58.4	9.8	40

BY

MONTH 81.0 49.5 49.7 143.72 100 39 3 137.54

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DATA POINTS OF NIGHT AND DAY PRECIPITATION  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF FEBRUARY

## DEW POINT (DEG F)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	50.0	21.4	-6.0	603
1	52.0	41.5	-9.0	614
2	43.0	21.2	-7.0	603
3	50.0	21.4	-9.0	623
4	51.0	21.5	-6.0	604
5	51.0	21.4	-9.0	605
6	50.0	21.3	-10.0	603
7	48.0	21.3	-6.0	604
8	50.0	21.9	-16.0	603
9	48.0	22.4	-6.0	604
10	51.0	22.5	-19.0	604
11	50.0	22.2	-16.0	604
12	51.0	22.1	-10.0	605
13	51.0	21.4	-8.0	604
14	47.0	40.9	-13.0	611
15	50.0	20.5	-15.0	605
16	49.0	20.1	-12.0	604
17	49.0	19.5	-14.0	594
18	50.0	20.4	-9.0	566
19	47.0	20.6	-7.0	545
20	48.0	20.4	-12.0	565
21	59.0	20.5	-10.0	585
22	48.0	20.7	-10.0	586
23	46.0	20.9	-6.0	583
BY MONTH	59.0	21.2	-19.0	14370

TABLE III (CONT)

MEAN AND STANDARD DEVIATION OF DRY BULB TEMPERATURE AND RELATIVE HUMIDITY AT 1000 HOURS  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF MARCH

## DRY BULB TEMPERATURE (DEG F)\*

HOUR	TOTAL		OBSERVATIONS	TOTAL		OBSERVATIONS	TOTAL		OBSERVATIONS	TOTAL	
	HIGH	LOW		HIGH	LOW		HIGH	LOW		HIGH	LOW
0	75.0	52.1	23.9	66.4	100	35	1	59.6	0	59.6	0
1	75.0	51.0	23.0	66.5	100	36	0	59.7	1	59.7	1
2	74.0	49.0	23.0	66.4	97	38	7	59.6	2	59.6	2
3	74.0	43.9	23.0	66.5	94	39	0	59.7	3	59.7	3
4	72.0	47.0	16.0	66.5	97	41	7	59.7	4	59.7	4
5	71.0	46.0	18.0	66.5	98	42	6	59.7	5	59.7	5
6	71.0	45.0	17.0	66.3	99	43	6	59.6	6	59.6	6
7	73.0	46.0	19.0	66.4	97	43	6	59.6	7	59.6	7
8	75.0	49.0	23.0	66.3	99	39	14	59.5	6	59.5	6
9	75.0	52.0	24.0	66.3	90	36	7	59.5	9	59.5	9
10	77.0	55.0	27.0	66.3	99	32	6	59.5	10	59.5	10
11	82.0	58.0	28.0	66.2	98	29	6	59.4	11	59.4	11
12	82.0	60.0	27.0	66.5	96	27	6	59.7	12	59.7	12
13	83.0	62.0	29.0	66.2	97	25	3	59.4	13	59.4	13
14	85.0	63.5	30.0	66.3	95	24	4	59.5	14	59.5	14
15	85.0	64.0	31.0	66.3	95	23	5	59.5	15	59.5	15
16	84.0	64.0	31.0	66.4	90	23	5	59.6	16	59.6	16
17	84.0	63.0	31.0	64.7	87	23	4	57.5	17	57.5	17
18	82.0	61.0	30.0	63.0	100	24	5	59.8	18	59.8	18
19	79.0	54.0	20.0	63.7	92	27	3	56.9	19	56.9	19
20	78.0	57.0	27.0	63.9	100	29	3	57.1	20	57.1	20
21	77.0	55.0	25.0	64.0	100	31	3	57.2	21	57.2	21
22	77.0	54.0	23.0	63.8	100	32	7	57.0	22	57.0	22
23	78.0	53.0	23.0	63.6	96	33	1	57.0	23	57.0	23
BY MONTH	86.0	55.0	16.0	157.8	157.8	157.8	1	141.22		141.22	

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\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

"MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

## MONTH OF MARCH

## DEW POINT (DEG F)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	48•0	21•3	-8•0	664
1	47•0	21•5	-6•0	665
2	47•0	21•6	-9•0	664
3	59•0	21•7	-9•0	665
4	47•0	21•7	-5•0	665
5	47•0	21•8	-9•0	665
6	47•0	21•7	-7•0	663
7	47•0	22•5	-7•0	664
8	47•0	22•7	-3•0	663
9	51•0	22•7	-5•0	663
10	55•0	22•9	0•0	663
11	56•0	22•4	-4•0	662
12	53•0	22•3	-6•0	665
13	54•0	22•0	-10•0	662
14	56•0	21•3	-11•0	663
15	55•0	20•8	-9•0	663
16	49•0	20•2	-10•0	664
17	48•0	19•3	-9•0	647
18	47•0	19•7	-16•0	636
19	48•0	20•5	-15•0	637
20	47•0	20•7	-14•0	639
21	49•0	21•0	-10•0	640
22	48•0	21•1	-9•0	638
23	48•0	21•2	-5•0	638
BY MONTH	59•0	21•5	-16•0	15758

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF APRIL

## DRY BULB TEMPERATURE (DEG F)\*

## RELATIVE HUMIDITY (PERCENT)

HOUR	TOTAL OBSERVATIONS			TOTAL OBSERVATIONS		
	HIGH	MEAN	LOW	HIGH	MEAN	LOW
0	63.0	61.0	37.0	94	27	4
1	83.0	59.0	35.0	94	28	4
2	80.0	58.6	36.0	93	29	4
3	77.0	57.4	35.0	90	31	3
4	77.0	56.2	32.0	89	32	4
5	77.0	55.2	32.0	93	34	4
6	76.0	54.6	31.0	85	34	5
7	77.0	56.9	34.0	87	32	5
8	82.0	59.8	36.0	83	29	4
9	82.0	62.6	35.0	95	27	3
10	83.0	65.5	41.0	93	24	2
11	86.0	68.0	42.0	87	22	4
12	89.0	70.1	44.0	83	20	2
13	92.0	71.9	45.0	91	18	2
14	91.0	73.0	47.0	81	17	2
15	94.0	73.7	47.0	75	16	2
16	93.0	73.7	46.0	76	16	2
17	92.0	73.1	45.0	75	16	2
18	90.0	71.4	45.0	79	17	2
19	88.0	68.8	43.0	76	19	1
20	85.0	66.7	38.0	76	21	3
21	86.0	65.2	37.0	95	22	3
22	84.0	63.7	36.0	85	24	4
23	83.0	62.5	38.0	98	25	4
BY MONTH						
	94.0	64.5	29.0	15088	99	24
					1	14756

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF APRIL

## DEW POINT (DEG F)

HOUR      HIGH      MEAN      LOW      TOTAL  
           OBSERVATIONS

0	49.0	22.8	-17.0	640
1	51.0	23.0	-10.0	611
2	50.0	23.1	-13.0	641
3	50.0	23.3	-20.0	640
4	49.0	23.6	-13.0	641
5	51.0	23.8	-20.0	640
6	50.0	24.1	-9.0	642
7	51.0	24.6	-9.0	641
8	51.0	25.0	-10.0	642
9	52.0	24.9	-14.0	641
10	52.0	24.6	-15.0	641
11	54.0	24.2	-8.0	640
12	50.0	23.6	-18.0	639
13	51.0	22.8	-30.0	642
14	52.0	22.3	-20.0	641
15	70.0	21.6	-23.0	640
16	50.0	20.8	-26.0	641
17	52.0	19.9	-22.0	607
18	50.0	19.8	-16.0	599
19	51.0	20.3	-20.0	597
20	48.0	21.0	-16.0	599
21	50.0	21.5	-16.0	598
22	51.0	21.8	-20.0	596
23	51.0	22.1	-15.0	598

BY MONTH      70.0      22.7      -30.0      15087

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

## MONTH OF MAY

## DRY BULB TEMPERATURE (DEG F)\*

HOUR	TOTAL OBSERVATIONS			TOTAL OBSERVATIONS		
	HIGH	MEAN	LOW	HIGH	MEAN	LOW
0	88.0	68.7	42.0	652	84	27
1	87.0	67.2	42.0	652	85	28
2	88.0	65.9	41.0	654	83	30
3	84.0	64.6	42.0	654	88	31
4	82.0	63.4	39.0	667	88	33
5	80.0	62.4	40.0	667	91	34
6	84.0	63.3	41.0	664	91	34
7	90.0	66.1	43.0	664	96	32
8	91.0	68.9	48.0	665	82	27
9	92.0	71.9	49.0	663	80	26
10	96.0	74.7	49.0	665	91	23
11	97.0	77.1	48.0	664	84	21
12	99.0	79.1	51.0	665	91	19
13	101.0	80.8	52.0	664	87	17
14	102.0	81.9	51.0	665	77	16
15	101.0	82.3	49.0	664	84	15
16	103.0	82.1	49.0	665	91	15
17	101.0	81.5	51.0	631	91	15
18	99.0	80.0	51.0	622	81	16
19	95.0	77.4	49.0	622	75	18
20	94.0	74.9	48.0	608	85	20
21	93.0	73.2	46.0	606	89	22
22	92.0	71.7	44.0	607	81	23
23	88.0	70.4	45.0	606	83	25
BY MONTH	103.0	72.9	38.0	15556	96	24
						14536

## RELATIVE HUMIDITY (PERCENT)

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMograph TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

## MONTH OF MAY

## DEW POINT (DEG F)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	59.0	28.2	-15.0	652
1	60.0	26.7	-10.0	652
2	57.0	29.1	-10.0	654
3	70.0	29.5	-10.0	654
4	59.0	29.8	-9.0	667
5	58.0	30.3	-10.0	667
6	58.0	31.2	-2.0	664
7	61.0	31.9	-17.0	664
8	68.0	32.1	-21.0	665
9	63.0	31.9	-24.0	663
10	64.0	31.3	-17.0	665
11	63.0	30.5	-5.0	664
12	63.0	29.6	-11.0	665
13	62.0	28.7	-10.0	664
14	63.0	27.7	-11.0	665
15	62.0	26.9	-12.0	664
16	61.0	26.6	-18.0	665
17	62.0	25.4	-19.0	631
18	58.0	25.2	-21.0	622
19	59.0	25.2	-17.0	622
20	58.0	26.0	-27.0	608
21	58.0	26.6	-17.0	606
22	58.0	27.2	-16.0	607
23	57.0	27.8	-15.0	606
BY MONTH	70.0	28.7	-27.0	15556

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF JUNE

## DRY BULB TEMPERATURE (DEG F)\*

## RELATIVE HUMIDITY (PERCENT)

HOUR	TOTAL			TOTAL		
	HIGH	MEAN	LOW	OBSERVATIONS	HIGH	MEAN
0	91.0	77.2	57.0	590	92	29
1	92.0	75.7	57.0	611	95	31
2	90.0	74.4	56.0	609	99	33
3	89.0	72.9	54.0	611	98	35
4	90.0	71.6	53.6	643	99	37
5	90.0	70.6	51.0	642	100	39
6	94.0	72.0	52.0	640	100	39
7	94.0	74.9	55.0	641	100	36
8	93.0	77.5	56.0	640	100	33
9	97.0	60.4	57.0	641	98	30
10	100.0	83.1	58.0	640	95	26
11	102.0	85.5	60.0	642	98	24
12	104.0	87.6	61.0	642	99	22
13	105.0	89.3	61.0	640	90	20
14	106.0	90.4	64.0	639	85	18
15	105.0	90.7	61.0	638	95	18
16	106.0	90.6	61.0	641	90	14
17	104.0	89.9	60.0	629	93	18
18	103.0	88.1	62.0	602	98	19
19	101.0	85.8	62.0	601	93	21
20	98.0	83.3	62.0	572	91	23
21	96.0	81.3	60.0	572	87	25
22	94.0	79.9	60.0	571	91	26
23	94.0	78.6	59.0	573	94	28
BY MONTH	106.3	81.3	50.0	14870	100	27
					1	13804

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF JUNE

## DEW POINT (DEG F)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	66.0	38.2	-6.0	590
1	65.0	38.0	-13.0	611
2	65.0	39.0	-9.0	609
3	65.0	39.6	-7.0	611
4	65.0	40.0	-9.0	643
5	65.0	40.3	-10.0	642
6	63.0	41.8	2.0	640
7	65.0	42.3	4.0	641
8	67.0	42.5	3.0	640
9	69.0	42.4	-9.0	641
10	74.0	41.7	-2.0	640
11	75.0	40.8	-3.0	642
12	68.0	40.1	-1.0	642
13	66.0	38.9	-1.0	640
14	65.0	38.0	-16.0	639
15	67.0	37.3	-6.0	637
16	67.0	36.7	-15.0	640
17	66.0	36.2	-13.0	629
18	65.0	36.0	-13.0	602
19	65.0	36.2	-9.0	601
20	65.0	36.6	-9.0	572
21	66.0	37.1	-9.0	572
22	65.0	37.5	-9.0	571
23	66.0	37.9	-10.0	573
BY MONTH	75.0	39.1	-16.0	14868

TABLE III (CONT)  
 MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF JULY

HOUR	DRY BULB TEMPERATURE (DEG F)*			RELATIVE HUMIDITY (PERCENT)		
	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN
0	96.0	77.0	61.0	637	99	46
1	92.0	76.8	61.0	654	99	48
2	90.0	75.5	60.0	654	99	51
3	89.0	74.1	59.0	654	99	53
4	89.0	73.1	59.0	665	99	56
5	87.0	72.0	59.0	664	99	58
6	87.0	72.8	60.0	662	100	57
7	90.0	75.6	62.0	663	100	53
8	92.0	78.2	62.0	662	99	48
9	95.0	81.1	61.0	663	97	44
10	97.0	83.6	62.0	663	97	39
11	101.0	86.2	62.0	662	97	36
12	104.0	88.3	63.0	665	96	32
13	104.0	89.9	64.0	664	94	30
14	104.0	90.7	64.0	662	98	29
15	105.0	91.2	65.0	662	100	28
16	105.0	90.5	65.0	662	94	29
17	106.0	89.7	64.0	648	92	30
18	103.0	68.2	65.0	621	92	31
19	99.0	85.7	64.0	619	93	35
20	97.0	83.4	65.0	609	99	38
21	96.0	81.9	62.0	609	99	40
22	96.0	80.5	62.0	610	97	42
23	95.0	79.2	61.0	609	98	45
BY MONTH	107.0	81.9	59.0	15543	100	42

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

## MONTH OF JULY

## DEW POINT (DEG F)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	68.0	52.9	25.0	636
1	68.0	53.9	25.0	652
2	66.0	54.3	26.0	651
3	67.0	54.5	25.0	652
4	68.0	54.9	24.0	663
5	67.0	55.1	26.0	662
6	69.0	55.7	28.0	661
7	70.0	55.9	27.0	661
8	69.0	55.7	29.0	661
9	73.0	55.4	23.0	663
10	74.0	54.6	22.0	663
11	77.0	54.0	24.0	661
12	75.0	53.0	23.0	664
13	76.0	52.2	26.0	664
14	77.0	51.6	26.0	662
15	76.0	50.8	23.0	662
16	74.0	50.5	26.0	662
17	72.0	50.7	27.0	648
18	72.0	50.9	24.0	621
19	73.0	51.7	27.0	619
20	78.0	52.2	25.0	609
21	73.0	52.6	24.0	609
22	71.0	53.1	24.0	610
23	67.0	53.6	25.0	609
BY MONTH	78.0	53.4	22.0	15525

TABLE III (CONT)  
 MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF AUGUST

HOUR	DRY BULB TEMPERATURE (DEG F)*			RELATIVE HUMIDITY (PERCENT)		
	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN
0	90.0	76.0	61.0	656	99	49
1	87.0	74.7	62.0	666	99	52
2	86.0	73.5	67.0	666	98	54
3	84.0	72.4	59.0	665	100	56
4	85.0	71.2	56.0	666	99	59
5	82.0	70.4	57.0	664	99	60
6	82.0	70.3	58.0	662	100	61
7	86.0	73.0	61.0	665	100	57
8	87.0	76.0	61.0	665	100	51
9	93.0	79.0	61.0	665	97	46
10	97.0	81.7	63.0	664	97	42
11	97.0	84.1	63.0	666	98	38
12	98.0	86.2	64.0	665	97	35
13	100.0	87.6	66.0	666	93	32
14	100.0	88.5	63.0	664	95	31
15	102.0	88.6	65.0	665	92	31
16	101.0	88.3	68.0	665	88	31
17	100.0	87.3	64.0	648	96	32
18	98.0	85.4	65.0	635	87	34
19	94.0	82.8	61.0	635	91	38
20	94.0	80.7	59.0	634	100	41
21	92.0	79.5	62.0	625	90	43
22	91.0	78.4	60.0	635	95	45
23	90.0	77.3	59.0	633	100	47
BY MONTH	103.0	79.7	55.0	15750	100	44
					1	14186

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMograph TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

## MONTH OF AUGUST

HOUR	DEW POINT (DEG F)			TOTAL OBSERVATIONS
	HIGH	MEAN	LOW	
0	77.0	54.1	29.0	656
1	76.0	54.3	29.0	666
2	77.0	54.4	28.0	664
3	71.0	54.6	26.0	665
4	67.0	54.8	27.0	666
5	66.0	54.9	27.0	664
6	66.0	55.1	30.0	662
7	65.0	55.7	31.0	665
8	66.0	55.4	30.0	665
9	70.0	55.2	31.0	665
10	68.0	54.8	33.0	664
11	69.0	54.3	30.0	666
12	67.0	53.6	35.0	665
13	70.0	52.8	30.0	666
14	67.0	52.1	27.0	664
15	71.0	51.5	27.0	665
16	80.0	51.4	27.0	665
17	66.0	51.1	27.0	648
18	65.0	51.5	27.0	635
19	66.0	52.2	30.0	635
20	65.0	52.9	31.0	634
21	67.0	53.1	28.0	635
22	69.0	53.5	28.0	635
23	69.0	53.7	24.0	633
BY MONTH	80.0	53.6	24.0	15750

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF SEPTEMBER

## DRY BULB TEMPERATURE (DEG F)\*

HOUR	TOTAL OBSERVATIONS			RELATIVE HUMIDITY (PERCENT)		
	HIGH	MEAN	LOW	HIGH	MEAN	LOW
0	55.0	71.1	47.0	99	46	10
1	65.0	69.0	48.0	99	49	13
2	66.0	68.0	47.0	99	51	14
3	82.0	67.4	47.0	97	53	12
4	81.0	66.3	47.0	99	55	15
5	81.0	65.3	48.0	98	57	8
6	82.0	64.5	47.0	98	59	17
7	83.0	67.0	47.0	98	55	15
8	85.0	70.4	47.0	97	50	11
9	90.0	73.7	48.0	99	45	12
10	90.0	76.8	50.0	97	40	10
11	93.0	79.4	50.0	96	36	11
12	96.0	81.4	50.0	92	33	6
13	96.0	83.0	51.0	95	31	7
14	97.0	84.0	51.0	94	29	7
15	98.0	84.4	53.0	92	28	6
16	98.0	83.9	53.0	90	29	9
17	96.0	82.6	52.0	90	30	9
18	94.0	79.9	49.0	621	90	33
19	89.0	77.2	49.0	623	93	37
20	88.0	75.3	49.0	621	94	40
21	88.0	74.2	50.0	620	100	41
22	86.0	73.0	49.0	622	100	43
23	86.0	72.0	49.0	623	99	45
BY MONTH	98.0	74.6	46.0	15227	100	42

100      42      6      13710

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF SEPTEMBER

## DRY BULB TEMPERATURE (DEG F)\*

HOUR	TOTAL OBSERVATIONS			RELATIVE HUMIDITY (PERCENT)		
	HIGH	MEAN	LOW	HIGH	MEAN	LOW
0	65.3	71.1	47.5	54.2	9.9	4.6
1	85.0	69.7	48.0	64.0	9.9	4.9
2	86.0	68.7	47.0	63.8	9.9	5.1
3	82.0	67.4	47.0	64.0	9.7	5.3
4	81.3	66.3	47.0	64.1	9.9	5.5
5	81.0	65.3	48.0	64.1	9.8	5.7
6	82.0	64.5	47.0	63.9	9.8	5.9
7	83.0	67.0	47.0	63.7	9.8	5.5
8	85.0	70.4	47.0	63.7	9.7	5.0
9	90.0	73.7	48.0	63.7	9.9	4.5
10	90.0	76.8	50.0	63.8	9.7	4.0
11	93.0	79.4	50.0	63.8	9.6	3.6
12	96.0	81.4	50.0	64.0	9.2	3.3
13	96.0	83.0	51.0	64.1	9.5	3.1
14	97.0	84.0	51.0	64.0	9.4	2.9
15	98.0	84.4	53.0	63.8	9.2	2.8
16	98.0	83.9	53.0	64.0	9.0	2.9
17	96.0	82.6	52.0	63.0	9.0	3.0
18	94.0	79.9	49.0	62.1	9.0	3.3
19	89.0	77.2	49.0	62.3	9.3	3.7
20	88.0	75.3	49.0	62.1	9.4	4.0
21	88.0	74.2	50.0	62.0	10.0	4.1
22	86.0	73.0	49.0	62.2	10.0	4.3
23	86.0	72.0	49.0	62.3	9.9	4.5
BY MONTH	98.0	74.6	46.0	152.27	100	42

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

100      42      6      13710

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HUUN  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

## MONTH OF SEPTEMBER

	HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
	0	67.0	47.2	10.0	642
	1	65.0	47.3	13.0	640
	2	63.0	47.4	16.0	638
	3	64.0	47.7	14.0	640
	4	65.0	47.8	16.0	641
	5	65.0	47.9	13.0	641
	6	66.0	48.1	19.0	639
	7	64.0	48.8	18.0	637
	8	65.0	49.0	21.0	637
	9	68.0	48.9	20.0	637
	10	67.0	48.5	13.0	638
	11	67.0	48.1	21.0	638
	12	69.0	47.5	11.0	640
	13	71.0	46.7	7.0	641
	14	66.0	45.7	7.0	639
	15	68.0	45.3	16.0	638
	16	65.0	44.9	10.0	640
	17	77.0	45.1	15.0	630
	18	66.0	45.8	15.0	621
	19	67.0	46.5	14.0	623
	20	68.0	46.6	4.0	621
	21	69.0	46.7	16.0	620
	22	68.0	46.7	16.0	622
	23	68.0	47.0	15.0	623
BY MONTH		77.0	47.1	1.0	15226

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF OCTOBER

## DRY BULB TEMPERATURE (DEG F)\*

## RELATIVE HUMIDITY (PERCENT)

HOUR	TOTAL OBSERVATIONS			TOTAL OBSERVATIONS		
	HIGH	MEAN	LOW	HIGH	MEAN	LOW
0	80.0	61.1	38.0	67.2	42	8
1	79.0	59.9	37.0	67.2	44	10
2	79.0	59.0	36.0	67.3	45	10
3	78.0	57.9	38.0	67.3	47	9
4	75.0	56.0	36.0	67.3	49	13
5	75.0	55.0	35.0	67.2	50	7
6	74.0	54.8	34.0	67.6	52	15
7	77.0	56.3	35.0	67.4	50	14
8	78.0	60.1	40.0	67.5	45	15
9	82.0	63.4	47.0	67.5	40	15
10	83.0	66.5	38.0	67.3	36	8
11	87.0	69.3	42.0	67.6	33	8
12	90.0	71.7	43.0	67.3	31	9
13	90.0	73.5	42.0	67.1	28	7
14	90.0	74.6	42.0	67.0	27	6
15	90.0	75.0	44.0	67.3	26	6
16	90.0	74.4	44.0	67.0	26	9
17	83.0	72.3	43.0	65.1	24	8
18	84.0	68.7	42.0	64.7	20	8
19	83.0	66.5	41.0	64.8	18	11
20	81.0	65.1	41.0	64.7	19	9
21	80.0	64.0	40.0	64.9	19	9
22	80.0	62.8	40.0	64.7	18	10
23	80.0	61.8	40.0	64.7	19	9
HY	92.0	64.6	33.0	15977	100	39

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

A MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF OCTOBER

DEW POINT (DEG F)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	65.0	36.2	-1.0	672
1	65.0	36.2	7.0	672
2	65.0	36.1	4.0	674
3	65.0	36.3	1.0	673
4	65.0	36.4	2.0	673
5	64.0	36.4	-10.0	672
6	65.0	36.5	0	676
7	65.0	37.0	-1.0	674
8	65.0	37.3	-2.0	675
9	71.0	37.4	7.0	675
10	63.0	37.3	-2.0	673
11	65.0	37.2	4.0	676
12	65.0	37.1	0	673
13	64.0	36.5	-3.0	671
14	64.0	36.0	2.0	670
15	63.0	35.4	-2.0	673
16	63.0	35.2	1.0	670
17	63.0	35.5	6.0	651
18	63.0	36.2	8.0	647
19	63.0	36.2	3.0	648
20	64.0	36.1	4.0	647
21	63.0	35.8	5.0	649
22	63.0	35.8	5.0	647
23	64.0	35.8	2.0	647
BY MONTH	71.0	36.3	-10.0	15978

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF NOVEMBER

## DRY BULB TEMPERATURE (DEG F)\*

HOUR	TOTAL			RELATIVE HUMIDITY (PERCENT)		
	HIGH	MEAN	LOW	HIGH	MEAN	LOW
0	71•0	49•6	27•0	635	100	45
1	70•0	48•7	27•0	637	97	46
2	72•0	47•9	26•0	637	100	47
3	69•0	46•9	25•0	636	100	49
4	68•0	46•1	24•0	637	96	50
5	67•0	45•2	25•0	640	97	52
6	67•0	44•3	24•0	636	100	54
7	66•0	44•5	26•0	636	98	53
8	69•0	47•8	26•0	634	98	48
9	73•0	50•9	30•0	636	100	43
10	72•0	53•7	31•0	636	98	39
11	74•0	56•4	32•0	637	98	36
12	78•0	58•9	32•0	634	100	33
13	80•0	60•9	32•0	634	100	31
14	79•0	62•0	33•0	633	93	29
15	81•0	62•4	33•0	634	92	29
16	81•0	61•6	33•0	633	91	30
17	76•0	58•5	31•0	630	100	34
18	74•0	55•6	32•0	615	100	38
19	73•0	54•0	30•0	615	99	40
20	73•0	52•9	29•0	614	100	41
21	72•0	51•9	28•0	614	100	42
22	71•0	51•0	28•0	613	100	44
23	70•0	50•2	27•0	618	100	45
BY MONTH	84•0	52•6	24•0	15124	100	42
					3	13712

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. The HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF NOVEMBER

HOUR	DEW POINT (DEG F)			TOTAL OBSERVATIONS
	HIGH	MEAN	LOW	
0	51.0	27.4	-4.0	634
1	49.0	27.3	-8.0	636
2	51.0	27.2	-12.0	636
3	51.0	27.2	0.0	635
4	51.0	27.1	1.0	634
5	50.0	27.1	-3.0	639
6	52.0	27.2	-2.0	635
7	51.0	27.2	1.0	635
8	52.0	27.7	-5.0	633
9	52.0	27.6	-4.0	636
10	53.0	27.7	-5.0	636
11	53.0	27.6	-9.0	637
12	54.0	27.7	-5.0	634
13	53.0	27.4	-8.0	634
14	54.0	27.2	-8.0	633
15	54.0	27.1	-5.0	634
16	51.0	26.9	-2.0	633
17	53.0	28.2	3.0	630
18	52.0	28.4	-1.0	615
19	51.0	28.2	0.0	615
20	51.0	28.0	-2.0	614
21	53.0	27.7	3.0	614
22	50.0	27.8	0.0	613
23	50.0	27.6	1.0	618
BY MONTH	54.0	27.5	-12.0	15115

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF DECEMBER

## DRY BULB TEMPERATURE (DEG F)\*

## RELATIVE HUMIDITY (PERCENT)

HOUR	TOTAL OBSERVATIONS			TOTAL OBSERVATIONS		
	HIGH	MEAN	LOW	HIGH	MEAN	LOW
0	69.0	42.4	18.0	63.4	50	13
1	68.0	41.7	18.0	63.7	52	16
2	67.0	41.0	15.0	63.8	53	15
3	67.0	40.1	13.0	63.8	54	15
4	67.0	37.4	15.0	63.8	55	15
5	68.0	38.7	16.0	63.9	56	16
6	67.0	38.0	8.0	63.8	57	12
7	67.0	37.5	9.0	63.9	58	13
8	68.0	39.8	10.0	65.0	55	12
9	71.0	42.9	19.0	64.8	53	12
10	71.0	45.6	23.0	64.8	46	9
11	70.0	48.2	24.0	65.0	42	6
12	71.0	50.6	25.0	64.5	38	6
13	77.0	52.6	25.0	64.6	36	6
14	76.0	53.9	26.0	64.4	34	4
15	77.0	54.3	26.0	64.6	34	8
16	76.0	53.5	27.0	64.5	35	8
17	72.0	50.5	27.0	62.2	30	9
18	69.0	47.7	25.0	61.6	43	7
19	72.0	46.4	24.0	61.6	44	13
20	70.0	45.6	23.0	61.4	46	11
21	70.0	44.8	22.0	61.2	47	13
22	70.0	44.0	21.0	61.5	48	11
23	69.0	43.2	19.0	61.8	49	10
BY MONTH	77.0	45.1	8.0	15236	100	47
						14157

\* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

## MONTH OF DECEMBER

## DEW POINT (DEG F)

HOUR HIGH MEAN LOW TOTAL OBSERVATIONS

BY MONTH	51.0	23.6	-24.0	15236
0	50.0	23.3	-19.0	634
1	49.0	23.0	-6.0	637
2	48.0	23.2	-8.0	638
3	47.0	23.1	-7.0	638
4	48.0	22.9	-11.0	638
5	48.0	22.9	-12.0	639
6	49.0	22.8	-7.0	638
7	45.0	22.6	-7.0	639
8	46.0	23.5	-4.0	650
9	47.0	24.0	-2.0	648
10	46.0	24.0	-2.0	648
11	48.0	23.9	-10.0	650
12	47.0	23.9	-8.0	645
13	46.0	24.0	-6.0	646
14	48.0	23.7	-24.0	644
15	48.0	23.7	-7.0	646
16	51.0	23.6	-11.0	645
17	51.0	24.0	-13.0	622
18	48.0	24.3	-10.0	616
19	47.0	24.0	-3.0	616
20	48.0	23.7	-4.0	614
21	51.0	23.9	-6.0	612
22	50.0	23.4	-6.0	615
23	50.0	23.3	-5.0	618

TABLE IV

**MONTHLY AND ANNUAL TEMPERATURE MEANS AND EXTREMES (°FAHRENHEIT) AT SEVEN WSMR SITES**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<b>"A" Site</b>				Elevation 4,238 FT MSL					Period of Record 1950-1973				
Mean Max	56	60	66	75	84	93	93	91	86	77	64	56	75
Mean Min	34	38	43	52	60	69	70	69	63	53	41	36	52
Abs Max	76	81	86	94	103	106	107	103	98	92	84	77	107
Abs Min	-6	8	16	29	38	50	59	55	46	33	22	8	-6
<b>WSD Site</b>				Elevation 3,989 FT MSL					Period of Record 1962-1973				
Mean Max	57	61	68	78	87	94	95	92	87	78	66	57	77
Mean Min	25	29	36	46	53	62	67	64	58	45	33	27	45
Abs Max	78	81	89	97	100	108	108	104	98	94	83	75	108
Abs Min	-14	5	6	19	26	41	57	51	37	22	12	5	-14
<b>HMN Site</b>				Elevation 4,090 FT MSL					Period of Record 1963-1973				
Mean Max	55	59	67	76	85	93	95	91	86	77	65	55	75
Mean Min	26	29	36	44	52	61	67	64	58	46	35	28	46
Abs Max	74	78	87	96	100	106	105	106	97	92	81	73	106
Abs Min	-3	7	9	25	27	42	57	53	40	24	17	6	-3
<b>SMR Site</b>				Elevation 3,999 FT MSL					Period of Record 1963-1973				
Mean Max	56	60	68	77	86	92	95	91	86	77	65	56	76
Mean Min	27	31	39	48	56	63	68	65	60	47	37	29	48
Abs Max	78	83	87	96	100	106	108	103	98	93	82	74	108
Abs Min	4	7	9	22	32	42	59	57	42	23	16	6	4
<b>ATACHE Site</b>				Elevation 3,956 FT MSL					Period of Record 1962-1973				
Mean Max	56	60	68	77	86	93	95	92	86	77	65	56	76
Mean Min	24	28	35	44	52	61	66	63	57	44	33	26	44
Abs Max	78	80	89	97	100	108	107	103	99	93	82	75	108
Abs Min	-7	7	7	20	28	42	59	53	37	21	13	2	-7
<b>JALLEN Site</b>				Elevation 4,051 FT MSL					Period of Record 1963-1973				
Mean Max	55	59	67	76	86	92	95	91	85	77	64	55	75
Mean Min	25	29	35	44	52	61	67	65	57	46	34	27	45
Abs Max	76	81	89	98	98	108	106	106	98	92	84	76	108
Abs Min	-2	5	7	22	30	43	58	50	37	28	16	7	-2
<b>STALLION Site</b>				Elevation 4,940 FT MSL					Period of Record 1962-1973				
Mean Max	51	55	63	72	82	89	92	89	83	73	61	51	72
Mean Min	21	25	31	39	48	57	64	61	54	43	31	23	41
Abs Max	72	77	85	93	97	101	104	101	95	90	79	71	104
Abs Min	-16	2	6	17	30	40	54	47	35	20	14	2	-16

TABLE V

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973  
1-15 JANUARY

HOUR	DRY BULB TEMPERATURE (DEG F)										OBSERVATIONS
	$\geq -10 < 9$	$\geq 10 < 19$	$\geq 20 < 32$	$\geq 33 < 39$	$\geq 40 < 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	
0	18	26	31	28	35	13	2	3	306	313	313
1	3	20	31	28	27	15	2	2	306	313	313
2	4	21	33	27	12	12	2	2	306	313	313
3	4	25	33	26	11	11	2	0	306	313	313
4	5	27	32	26	9	1	1	1	306	313	313
5	5	28	32	24	8	1	1	1	306	313	313
6	5	32	32	22	8	1	1	1	306	313	313
7	6	32	32	22	7	1	1	1	306	314	314
8	5	26	31	29	8	2	2	2	306	314	314
9	4	14	31	39	11	2	3	3	306	314	314
10	2	11	21	41	22	3	6	6	306	314	314
11	1	8	14	43	26	4	1	1	306	314	314
12	1	7	11	35	37	9	1	1	306	314	314
13	1	4	9	30	41	15	2	2	306	314	314
14	1	4	6	26	42	21	1	1	306	315	315
15	1	4	5	24	41	23	1	1	306	315	315
16	1	3	6	27	42	20	1	1	306	315	315
17	1	5	9	38	39	9	0	0	306	315	315
18	1	6	13	47	26	4	4	4	306	315	315
19	2	8	18	47	21	3	3	3	306	315	315
20	2	9	23	42	20	3	3	3	306	315	315
21	2	11	26	40	17	3	3	3	306	315	315
22	2	14	26	39	15	3	3	2	306	315	315
23	3	16	29	36	14	2	2	0	306	315	315
BY MONTH	n	3	15	22	33	21	6	6	0	0	0

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

16-31 JANUARY

HOUR	DRY BULB TEMPERATURE (DEG F)												BY MONTH
	>= 10 < 9	> 10 < 19	> 20 < 32	> 33 < 39	> 40 < 49	> 50 < 59	> 60 < 69	> 70 < 79	> 80 < 89	> 90 < 99	> 100	OBSERVATIONS	
0	10	17	38	26	7	0	0	0	0	0	0	343	
1	13	18	40	23	6	0	0	0	0	0	0	344	
2	14	21	38	21	6	0	0	0	0	0	0	344	
3	17	22	38	19	5	0	0	0	0	0	0	344	
4	19	24	37	17	3	0	0	0	0	0	0	344	
5	21	24	36	16	2	0	0	0	0	0	0	344	
6	21	27	35	14	2	0	0	0	0	0	0	345	
7	24	29	31	13	1	0	0	0	0	0	0	346	
8	19	27	36	15	3	0	0	0	0	0	0	346	
9	8	22	44	20	5	0	0	0	0	0	0	346	
10	5	14	37	36	8	0	0	0	0	0	0	346	
11	3	10	33	40	15	0	0	0	0	0	0	346	
12	2	6	27	41	24	0	0	0	0	0	0	345	
13	1	5	22	40	32	0	0	0	0	0	0	345	
14	1	4	18	35	38	1	0	0	0	0	0	344	
15	0	0	16	34	40	1	0	0	0	0	0	345	
16	1	7	17	36	37	0	0	0	0	0	0	345	
17	0	9	19	40	32	2	0	0	0	0	0	338	
18	2	9	25	45	18	1	0	0	0	0	0	333	
19	2	13	32	37	15	1	0	0	0	0	0	332	
20	5	13	34	35	13	0	0	0	0	0	0	333	
21	7	13	34	35	10	0	0	0	0	0	0	332	
22	8	16	36	31	9	0	0	0	0	0	0	333	
23	8	16	40	27	9	0	0	0	0	0	0	333	
	9	15	32	29	14	1	0	0	0	0	0	3196	

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

1-15 FEBRUARY

HOUR	DAILY BULB TEMPERATURE (DEG F)										OBSERVATIONS
	$\geq -10^{\circ}$	$\leq 10^{\circ}$	$\geq 10^{\circ}$	$\leq 20^{\circ}$	$\geq 20^{\circ}$	$\leq 32^{\circ}$	$\geq 32^{\circ}$	$\leq 39^{\circ}$	$\geq 39^{\circ}$	$\leq 49^{\circ}$	
0	0	0	0	0	0	0	0	0	0	0	322
1	1	1	1	1	1	1	1	1	1	1	323
2	2	2	2	2	2	2	2	2	2	2	323
3	3	2	1	1	1	1	1	1	1	1	323
4	4	2	1	1	1	1	1	1	1	1	322
5	5	2	1	1	1	1	1	1	1	1	323
6	6	2	1	1	1	1	1	1	1	1	322
7	7	2	2	2	2	2	2	2	2	2	322
8	8	2	2	1	1	1	1	1	1	1	322
9	9	1	1	0	0	0	0	0	0	0	322
10	10	1	1	0	0	0	0	0	0	0	322
11	11	1	1	0	0	0	0	0	0	0	323
12	12	1	1	0	0	0	0	0	0	0	323
13	13	1	1	0	0	0	0	0	0	0	323
14	14	1	1	0	0	0	0	0	0	0	323
15	15	1	1	0	0	0	0	0	0	0	323
16	16	1	1	0	0	0	0	0	0	0	322
17	17	1	1	0	0	0	0	0	0	0	317
18	18	1	1	0	0	0	0	0	0	0	313
19	19	1	1	0	0	0	0	0	0	0	313
20	20	1	1	0	0	0	0	0	0	0	312
21	21	1	1	0	0	0	0	0	0	0	313
22	22	1	1	0	0	0	0	0	0	0	313
23	23	1	1	0	0	0	0	0	0	0	311
BY MONTH	n	1	9	15	32	27	14	2	0	0	7674

TABLE V (CONT.)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - "WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

16-29 FEBRUARY

## DRY BULB TEMPERATURE (DEG F)

HOUR	$\geq 1n < 9$	$\geq 10 \leq 19$	$\geq 20 \leq 32$	$\geq 33 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	$\geq 100$	OBSERVATIONS
1	15	15	40	30	5	5	281	281	0	0	0	0
2	7	18	44	24	6	7	280	280	0	0	0	0
3	8	23	41	25	3	3	280	280	0	0	0	0
4	11	24	41	20	3	3	282	282	0	0	0	0
5	14	24	40	19	2	2	282	282	0	0	0	0
6	16	26	38	18	1	1	281	281	0	0	0	0
7	15	31	36	15	2	2	282	282	0	0	0	0
8	6	21	47	21	2	2	281	281	0	0	0	0
9	5	16	42	32	5	5	282	282	0	0	0	0
10	2	10	36	39	12	12	282	282	0	0	0	0
11	1	7	28	41	22	22	282	282	0	0	0	0
12	4	4	21	42	29	29	282	282	0	0	0	0
13	3	3	18	38	34	34	281	281	0	0	0	0
14	2	2	14	37	37	37	281	281	0	0	0	0
15	2	2	11	35	43	43	282	282	0	0	0	0
16	3	2	11	36	40	40	282	282	0	0	0	0
17	3	14	37	37	37	37	277	277	0	0	0	0
18	4	20	43	28	28	28	273	273	0	0	0	0
19	9	26	40	23	23	23	272	272	0	0	0	0
20	9	33	39	17	17	17	273	273	0	0	0	0
21	9	37	34	16	16	16	273	273	0	0	0	0
22	12	37	33	14	14	14	273	273	0	0	0	0
23	14	39	30	12	12	12	273	273	0	0	0	0
BY MONTH	5	13	32	31	17	2	0	0	0	0	0	4698

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TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

1-15 MARCH

BY MONTH	HOUR	DRY BULB TEMPERATURE (DEG F)												OBSERVATIONS
		>-10 <9	>-10 <19	>20 <32	>33 <39	>40 <49	>50 <59	>60 <69	>70 <79	>80 <89	>90 <99	>100		
	0	1	1	1	1	1	1	1	1	1	1	1	1	322
	1	1	1	1	1	1	1	1	1	1	1	1	1	322
	2	1	1	1	1	1	1	1	1	1	1	1	1	322
	3	1	1	1	1	1	1	1	1	1	1	1	1	322
	4	1	1	1	1	1	1	1	1	1	1	1	1	322
	5	1	1	1	1	1	1	1	1	1	1	1	1	322
	6	1	1	1	1	1	1	1	1	1	1	1	1	322
	7	1	1	1	1	1	1	1	1	1	1	1	1	322
	8	1	1	1	1	1	1	1	1	1	1	1	1	322
	9	1	1	1	1	1	1	1	1	1	1	1	1	322
	10	1	1	1	1	1	1	1	1	1	1	1	1	322
	11	1	1	1	1	1	1	1	1	1	1	1	1	322
	12	1	1	1	1	1	1	1	1	1	1	1	1	322
	13	1	1	1	1	1	1	1	1	1	1	1	1	322
	14	1	1	1	1	1	1	1	1	1	1	1	1	322
	15	1	1	1	1	1	1	1	1	1	1	1	1	322
	16	1	1	1	1	1	1	1	1	1	1	1	1	322
	17	1	1	1	1	1	1	1	1	1	1	1	1	322
	18	1	1	1	1	1	1	1	1	1	1	1	1	322
	19	1	1	1	1	1	1	1	1	1	1	1	1	322
	20	1	1	1	1	1	1	1	1	1	1	1	1	322
	21	1	1	1	1	1	1	1	1	1	1	1	1	322
	22	1	1	1	1	1	1	1	1	1	1	1	1	322
	23	1	1	1	1	1	1	1	1	1	1	1	1	322
														7673

TABLE V (CONT.)

**DAILY VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973**

16-31 MARCH

### DRY CIRCULAR TEMPERATURE (DEG F)

HOUR	$\geq -10 \leq 9$	$\geq 10 \leq 19$	$\geq 20 \leq 32$	$\geq 33 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	$\geq 100$	OBSERVATIONS
0	1	2	3	4	5	6	7	8	9	10	11	342
1	6	25	40	26	41	28	34	35	35	30	21	342
2	7	26	41	28	39	39	34	35	35	30	18	342
3	9	28	41	34	35	35	35	35	35	30	18	342
4	9	28	41	34	35	35	35	35	35	30	15	342
5	12	35	35	35	35	35	35	35	35	30	15	342
6	12	39	32	39	32	32	37	36	36	12	12	340
7	9	37	37	37	37	37	36	36	36	0	0	340
8	5	30	41	30	41	30	30	30	30	0	0	340
9	5	30	41	30	41	30	30	30	30	0	0	340
10	2	22	38	22	38	22	22	22	22	0	0	340
11	13	35	44	13	35	44	35	35	35	0	0	340
12	9	29	46	9	29	46	27	27	27	0	0	340
13	2	5	27	2	5	27	41	41	41	0	0	340
14	1	4	22	1	4	22	39	39	39	0	0	340
15	1	4	19	1	4	19	34	34	34	0	0	340
16	1	4	18	1	4	18	32	32	32	0	0	340
17	1	4	16	1	4	16	34	34	34	0	0	340
18	6	18	34	6	18	34	42	42	42	0	0	340
19	9	21	41	9	21	41	29	29	29	0	0	340
20	9	28	46	9	28	46	17	17	17	0	0	340
21	2	18	45	2	18	45	11	11	11	0	0	340
22	3	19	33	3	19	33	7	7	7	0	0	340
23	5	19	31	5	19	31	7	7	7	0	0	340
24	4	18	31	4	18	31	14	14	14	0	0	340

H. D. THOMAS

TABLE V (CONT)  
 DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
 BY MONTH AND BY HOUR (IN PERCENT)  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

1-15 APRIL

HOUR	DRY BULB TEMPERATURE (DEG F)												OBSERVATIONS
	$\geq -19$	$\leq 9$	$\geq 10 \leq 19$	$\geq 20 \leq 29$	$\geq 30 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	$\geq 100$	
0	0	0	1	13	34	40	11	0	0	0	0	0	318
1	0	0	3	16	37	34	9	0	0	0	0	0	319
2	0	0	3	19	39	33	6	0	0	0	0	0	319
3	0	0	23	39	30	5	4	0	0	0	0	0	316
4	4	4	27	40	25	25	3	0	0	0	0	0	319
5	6	6	31	36	24	3	0	0	0	0	0	0	316
6	6	6	30	41	20	2	0	0	0	0	0	0	319
7	3	3	26	44	25	2	0	0	0	0	0	0	316
8	8	8	16	43	35	5	0	0	0	0	0	0	319
9	5	5	24	45	44	12	0	0	0	0	0	0	316
10	9	9	17	41	35	3	0	0	0	0	0	0	319
11	1	4	17	41	35	3	0	0	0	0	0	0	319
12	3	3	12	36	42	8	0	0	0	0	0	0	317
13	2	2	8	31	49	12	0	0	0	0	0	0	319
14	1	1	7	27	51	14	0	0	0	0	0	0	319
15	1	1	7	26	50	17	0	0	0	0	0	0	319
16	1	1	5	27	50	16	0	0	0	0	0	0	319
17	1	1	6	29	50	14	0	0	0	0	0	0	302
18	2	2	9	34	46	9	0	0	0	0	0	0	297
19	4	4	14	42	37	0	0	0	0	0	0	0	297
20	4	4	20	46	29	0	0	0	0	0	0	0	296
21	5	5	24	46	24	0	0	0	0	0	0	0	295
22	7	7	27	47	18	0	0	0	0	0	0	0	297
23	9	9	30	45	15	0	0	0	0	0	0	0	295
BY MONTH	0	0	1	25	35	24	0	0	0	0	0	0	7496

TABLE V (CONT.)

**DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)**  
**A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO**  
**PERIOD OF RECORD 1951 - 1973**

16-30 APRIL

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

1-15 MAY

HOUR	DRY BULB TEMPERATURE (DEG F)																								OBSERVATIONS	
	$\geq -10 < 9$	$\geq 10 \leq 19$	$\geq 20 \leq 29$	$\geq 30 \leq 32$	$\geq 33 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	$\geq 100$														
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BY MONTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE V (CONT'D)

**DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)**  
**A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO**  
**PERIOD OF RECORD 1951 - 1973**

16-31 MAY

### DAY SULFATE TEMPERATURE (DEG F)

## OBSERVATIONS

TABLE V (CONT.)  
 DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
 BY MONTH AND BY HOUR (IN PERCENT)  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1971

1-15 JUNE

DRY BULB TEMPERATURE (DEG F)

HOUR	$\geq 10 \leq 9$	$\geq 10 \leq 19$	$\geq 20 \leq 29$	$\geq 30 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	$\geq 100$	UNSEKUATIONS	BY MONTH
0	1	17	59	22	2	0	0	0	0	0	0	295	0
1	2	23	60	15	2	0	0	0	0	0	0	306	0
2	3	24	62	11	2	0	0	0	0	0	0	303	0
3	5	33	57	5	2	0	0	0	0	0	0	304	0
4	5	45	48	2	2	0	0	0	0	0	0	321	0
5	7	49	41	2	2	0	0	0	0	0	0	321	0
6	5	40	51	4	4	12	0	0	0	0	0	318	0
7	1	24	64	12	0	0	0	0	0	0	0	314	0
8	13	63	63	23	0	0	0	0	0	0	0	318	0
9	7	49	44	1	1	0	0	0	0	0	0	319	0
10	4	32	58	5	0	0	0	0	0	0	0	318	0
11	2	23	62	13	0	0	0	0	0	0	0	320	0
12	2	13	62	23	0	0	0	0	0	0	0	320	0
13	1	9	54	36	0	0	0	0	0	0	0	319	0
14	1	6	48	44	0	0	0	0	0	0	0	318	0
15	6	6	46	46	0	0	0	0	0	0	0	318	0
16	6	6	46	46	0	0	0	0	0	0	0	319	0
17	3	7	48	43	0	0	0	0	0	0	0	313	0
18	3	12	54	31	0	0	0	0	0	0	0	301	0
19	5	16	66	12	0	0	0	0	0	0	0	301	0
20	7	23	69	1	0	0	0	0	0	0	0	285	0
21	9	36	54	1	0	0	0	0	0	0	0	285	0
22	12	46	42	1	0	0	0	0	0	0	0	285	0
23	14	51	34	1	0	0	0	0	0	0	0	285	0
	1	14	35	37	13	0	0	0	0	0	0	7414	0

TAULATURA (CORT)

JOURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

16-50 JUNE

## Dry Bulb Temperature (DB) & Dew Point (DP)

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

1-15 JULY

HOUR	DRY BULB TEMPERATURE (DEG F)												BY MONTH
	$\geq 10 \leq 9$	$\geq 10 \leq 19$	$\geq 20 \leq 29$	$\geq 30 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	$\geq 100$	OBSERVATIONS	
0	0	0	0	0	0	0	0	0	0	0	0	0	307
1	0	0	0	0	0	0	0	0	0	0	0	0	308
2	0	0	0	0	0	0	0	0	0	0	0	0	308
3	0	0	0	0	0	0	0	0	0	0	0	0	308
4	0	0	0	0	0	0	0	0	0	0	0	0	319
5	0	0	0	0	0	0	0	0	0	0	0	0	318
6	0	0	0	0	0	0	0	0	0	0	0	0	318
7	0	0	0	0	0	0	0	0	0	0	0	0	317
8	0	0	0	0	0	0	0	0	0	0	0	0	318
9	0	0	0	0	0	0	0	0	0	0	0	0	318
10	0	0	0	0	0	0	0	0	0	0	0	0	317
11	0	0	0	0	0	0	0	0	0	0	0	0	317
12	0	0	0	0	0	0	0	0	0	0	0	0	319
13	0	0	0	0	0	0	0	0	0	0	0	0	318
14	0	0	0	0	0	0	0	0	0	0	0	0	316
15	0	0	0	0	0	0	0	0	0	0	0	0	316
16	0	0	0	0	0	0	0	0	0	0	0	0	317
17	0	0	0	0	0	0	0	0	0	0	0	0	312
18	0	0	0	0	0	0	0	0	0	0	0	0	299
19	0	0	0	0	0	0	0	0	0	0	0	0	299
20	0	0	0	0	0	0	0	0	0	0	0	0	289
21	0	0	0	0	0	0	0	0	0	0	0	0	287
22	0	0	0	0	0	0	0	0	0	0	0	0	286
23	0	0	0	0	0	0	0	0	0	0	0	0	286
	0	0	0	0	0	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	0	0	0	0	0	7421

TABLE V (CONT)

DAILY VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

16-31 JULY

HOUR	DRY BULB TEMPERATURE (DEG F)												OBSERVATIONS
	$\geq -10 \leq 9$	$\geq 10 \leq 19$	$\geq 20 \leq 29$	$\geq 30 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	$\geq 100$		
0	0	0	0	0	0	0	0	0	0	0	0	0	330
1	0	0	0	0	0	0	0	0	0	0	0	0	346
2	0	0	0	0	0	0	0	0	0	0	0	0	346
3	0	0	0	0	0	0	0	0	0	0	0	0	346
4	0	0	0	0	0	0	0	0	0	0	0	0	346
5	0	0	0	0	0	0	0	0	0	0	0	0	346
6	0	0	0	0	0	0	0	0	0	0	0	0	346
7	0	0	0	0	0	0	0	0	0	0	0	0	346
8	0	0	0	0	0	0	0	0	0	0	0	0	346
9	0	0	0	0	0	0	0	0	0	0	0	0	345
10	0	0	0	0	0	0	0	0	0	0	0	0	345
11	0	0	0	0	0	0	0	0	0	0	0	0	345
12	0	0	0	0	0	0	0	0	0	0	0	0	346
13	0	0	0	0	0	0	0	0	0	0	0	0	345
14	0	0	0	0	0	0	0	0	0	0	0	0	346
15	0	0	0	0	0	0	0	0	0	0	0	0	346
16	0	0	0	0	0	0	0	0	0	0	0	0	346
17	0	0	0	0	0	0	0	0	0	0	0	0	346
18	0	0	0	0	0	0	0	0	0	0	0	0	345
19	0	0	0	0	0	0	0	0	0	0	0	0	336
20	0	0	0	0	0	0	0	0	0	0	0	0	322
21	0	0	0	0	0	0	0	0	0	0	0	0	320
22	0	0	0	0	0	0	0	0	0	0	0	0	322
23	0	0	0	0	0	0	0	0	0	0	0	0	322
BY MONTH	0	0	0	0	0	0	0	0	0	0	0	0	321
	7	36	37	19	0	0	0	0	0	0	0	0	8122

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

1-15 AUGUST

HOUR	DRY BULB TEMPERATURE (DEG F)										OBSERVATIONS						
	$\geq 10 \leq 9$	$\geq 10 \leq 9$	$\geq 20 \leq 19$	$\geq 20 \leq 19$	$\geq 30 \leq 39$	$\geq 30 \leq 39$	$\geq 40 \leq 49$	$\geq 40 \leq 49$	$\geq 60 \leq 69$	$\geq 60 \leq 69$		$\geq 70 \leq 79$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	$\geq 90 \leq 99$
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BY MONTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

16-31 AUGUST

*Reproduced from  
best available copy.*

## DAILY AVERAGE TEMPERATURE (DEG F)

HOUR	$\geq -19 \leq 9$	$\geq 10 \leq 19$	$\geq 20 \leq 29$	$\geq 30 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	$\geq 100$	OBSERVATIONS
0	0	0	0	0	0	0	0	0	0	0	0	342
1	0	0	0	0	0	0	0	0	0	0	0	344
2	0	0	0	0	0	0	0	0	0	0	0	344
3	0	0	0	0	0	0	0	0	0	0	0	343
4	0	0	0	0	0	0	0	0	0	0	0	344
5	0	0	0	0	0	0	0	0	0	0	0	343
6	0	0	0	0	0	0	0	0	0	0	0	341
7	0	0	0	0	0	0	0	0	0	0	0	343
8	0	0	0	0	0	0	0	0	0	0	0	343
9	0	0	0	0	0	0	0	0	0	0	0	343
10	0	0	0	0	0	0	0	0	0	0	0	343
11	0	0	0	0	0	0	0	0	0	0	0	344
12	0	0	0	0	0	0	0	0	0	0	0	344
13	0	0	0	0	0	0	0	0	0	0	0	344
14	0	0	0	0	0	0	0	0	0	0	0	342
15	0	0	0	0	0	0	0	0	0	0	0	344
16	0	0	0	0	0	0	0	0	0	0	0	343
17	0	0	0	0	0	0	0	0	0	0	0	336
18	0	0	0	0	0	0	0	0	0	0	0	331
19	0	0	0	0	0	0	0	0	0	0	0	331
20	0	0	0	0	0	0	0	0	0	0	0	331
21	0	0	0	0	0	0	0	0	0	0	0	331
22	0	0	0	0	0	0	0	0	0	0	0	330
23	0	0	0	0	0	0	0	0	0	0	0	330
BY MONTH	0	0	0	0	0	0	0	0	0	0	0	3155

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

1-15 SEPTEMBER

HOUR	$\geq 11 \leq 9$	$\geq 10 \leq 9$	$\geq 20 \leq 19$	$\geq 32 \leq 31$	$\geq 33 \leq 34$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	$\geq 100$	OBSERVATIONS
0	25	65	10	0	0	0	0	0	0	0	0	0	316
1	33	61	6	0	0	0	0	0	0	0	0	0	316
2	42	53	4	0	0	0	0	0	0	0	0	0	314
3	64	33	2	0	0	0	0	0	0	0	0	0	316
4	70	27	1	0	0	0	0	0	0	0	0	0	317
5	73	22	0	0	0	0	0	0	0	0	0	0	319
6	53	45	1	0	0	0	0	0	0	0	0	0	316
7	0	27	4	0	0	0	0	0	0	0	0	0	314
8	0	27	19	0	0	0	0	0	0	0	0	0	313
9	11	69	47	0	0	0	0	0	0	0	0	0	314
10	5	47	47	0	0	0	0	0	0	0	0	0	317
11	4	32	61	4	0	0	0	0	0	0	0	0	316
12	0	20	64	13	0	0	0	0	0	0	0	0	317
13	0	15	61	21	0	0	0	0	0	0	0	0	316
14	0	12	59	26	0	0	0	0	0	0	0	0	316
15	0	13	56	29	0	0	0	0	0	0	0	0	316
16	0	14	57	26	0	0	0	0	0	0	0	0	317
17	0	18	64	17	0	0	0	0	0	0	0	0	314
18	0	26	64	7	0	0	0	0	0	0	0	0	309
19	0	43	51	0	0	0	0	0	0	0	0	0	310
20	0	56	34	0	0	0	0	0	0	0	0	0	309
21	0	61	26	0	0	0	0	0	0	0	0	0	310
22	0	63	19	0	0	0	0	0	0	0	0	0	311
23	0	67	13	0	0	0	0	0	0	0	0	0	311
BY MONTH	0	0	0	0	0	0	0	0	0	0	0	0	7539

TANLÉ V (C0), T)

**DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973**

16-30 SEPTEMBER

TABLE V (CO., T)

DIURNAL VARIABILITY OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

1-15 OCTOBER

HOUR	DRY BULB TEMPERATURE (DEG F)							OBSERVATIONS
	$\geq 0^{\circ}\text{In} \leq 9$	$\geq 10 \leq 19$	$\geq 20 \leq 29$	$\geq 30 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	
0	0	0	0	0	0	0	0	322
1	0	0	0	0	0	0	0	323
2	0	0	0	0	0	0	0	324
3	0	0	0	0	0	0	0	324
4	0	0	0	0	0	0	0	324
5	0	0	0	0	0	0	0	322
6	0	0	0	0	0	0	0	326
7	0	0	0	0	0	0	0	326
8	0	0	0	0	0	0	0	326
9	0	0	0	0	0	0	0	326
10	0	0	0	0	0	0	0	326
11	0	0	0	0	0	0	0	327
12	0	0	0	0	0	0	0	323
13	0	0	0	0	0	0	0	326
14	0	0	0	0	0	0	0	322
15	0	0	0	0	0	0	0	323
16	0	0	0	0	0	0	0	323
17	0	0	0	0	0	0	0	315
18	0	0	0	0	0	0	0	312
19	0	0	0	0	0	0	0	312
20	0	0	0	0	0	0	0	312
21	0	0	0	0	0	0	0	313
22	0	0	0	0	0	0	0	311
23	0	0	0	0	0	0	0	313
BY MONTH	0	0	0	0	0	0	0	7698

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

16-31 OCTOBER

HOUR	DAY JULIAN TEMPERATURE (DEG F)												BY MONTH
	$\geq -10 \leq 9$	$\geq 10 \leq 19$	$\geq 20 \leq 29$	$\geq 30 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 69$	$\geq 90 \leq 99$	$\geq 100$	OBSERVATIONS	
0	0	0	0	0	0	0	0	0	0	0	0	0	350
1	0	0	0	0	0	0	0	0	0	0	0	0	349
2	0	0	0	0	0	0	0	0	0	0	0	0	349
3	0	0	0	0	0	0	0	0	0	0	0	0	349
4	0	0	0	0	0	0	0	0	0	0	0	0	349
5	0	0	0	0	0	0	0	0	0	0	0	0	350
6	0	0	0	0	0	0	0	0	0	0	0	0	350
7	0	0	0	0	0	0	0	0	0	0	0	0	348
8	0	0	0	0	0	0	0	0	0	0	0	0	349
9	0	0	0	0	0	0	0	0	0	0	0	0	349
10	0	0	0	0	0	0	0	0	0	0	0	0	347
11	0	0	0	0	0	0	0	0	0	0	0	0	349
12	0	0	0	0	0	0	0	0	0	0	0	0	350
13	0	0	0	0	0	0	0	0	0	0	0	0	348
14	0	0	0	0	0	0	0	0	0	0	0	0	350
15	0	0	0	0	0	0	0	0	0	0	0	0	347
16	0	0	0	0	0	0	0	0	0	0	0	0	336
17	0	0	0	0	0	0	0	0	0	0	0	0	335
18	0	0	0	0	0	0	0	0	0	0	0	0	336
19	0	0	0	0	0	0	0	0	0	0	0	0	336
20	0	0	0	0	0	0	0	0	0	0	0	0	336
21	0	0	0	0	0	0	0	0	0	0	0	0	334
22	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	8279

TABLE V (CONT.)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

J-15 NOVEMBER

HOUR	DRY BULB TEMPERATURE (DEG F)												OBSERVATIONS
	$\geq 19 < 20$	$\geq 20 < 21$	$\geq 21 < 22$	$\geq 22 < 23$	$\geq 23 < 24$	$\geq 24 < 25$	$\geq 25 < 26$	$\geq 26 < 27$	$\geq 27 < 28$	$\geq 28 < 29$	$\geq 29 < 30$	$\geq 30 < 31$	
0	0	0	0	0	0	0	0	0	0	0	0	0	320
1	0	0	0	0	0	0	0	0	0	0	0	0	321
2	0	0	0	0	0	0	0	0	0	0	0	0	321
3	0	0	0	0	0	0	0	0	0	0	0	0	320
4	0	0	0	0	0	0	0	0	0	0	0	0	321
5	0	0	0	0	0	0	0	0	0	0	0	0	323
6	0	0	0	0	0	0	0	0	0	0	0	0	319
7	0	0	0	0	0	0	0	0	0	0	0	0	319
8	0	0	0	0	0	0	0	0	0	0	0	0	318
9	0	0	0	0	0	0	0	0	0	0	0	0	318
10	0	0	0	0	0	0	0	0	0	0	0	0	318
11	0	0	0	0	0	0	0	0	0	0	0	0	317
12	0	0	0	0	0	0	0	0	0	0	0	0	318
13	0	0	0	0	0	0	0	0	0	0	0	0	316
14	0	0	0	0	0	0	0	0	0	0	0	0	308
15	0	0	0	0	0	0	0	0	0	0	0	0	308
16	0	0	0	0	0	0	0	0	0	0	0	0	307
17	0	0	0	0	0	0	0	0	0	0	0	0	307
18	0	0	0	0	0	0	0	0	0	0	0	0	310
19	0	0	0	0	0	0	0	0	0	0	0	0	7593
20	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0
BY MONTH	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

16-30 NOVEMBER

HOUR	DRY BULB TEMPERATURE (DEG F)										OBSERVATIONS
	$\geq 10 \leq 14$	$\geq 15 \leq 19$	$\geq 20 \leq 32$	$\geq 33 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	
0	0	0	0	0	0	0	0	0	0	0	316
1	17	45	24	10	0	0	0	0	0	0	316
2	5	20	22	9	0	0	0	0	0	0	316
3	6	24	21	9	0	0	0	0	0	0	316
4	9	25	18	7	0	0	0	0	0	0	316
5	8	28	18	5	0	0	0	0	0	0	317
6	11	28	39	18	4	0	0	0	0	0	317
7	15	29	36	17	3	0	0	0	0	0	317
8	14	30	37	16	3	0	0	0	0	0	317
9	5	24	42	25	4	0	0	0	0	0	316
10	5	15	43	35	6	0	1	2	4	1	317
11	7	7	38	41	13	0	0	0	0	0	317
12	4	30	30	42	21	2	1	0	0	0	318
13	3	21	41	31	7	0	0	0	0	0	316
14	2	16	38	37	7	0	0	0	0	0	316
15	2	13	34	41	10	0	0	0	0	0	316
16	2	13	33	41	11	0	0	0	0	0	316
17	5	22	45	28	2	0	0	0	0	0	315
18	31	44	19	19	1	0	0	0	0	0	314
19	6	38	39	16	0	0	0	0	0	0	307
20	6	34	10	14	0	0	0	0	0	0	304
21	10	34	13	13	1	0	0	0	0	0	306
22	42	35	12	12	0	0	0	0	0	0	306
23	43	27	10	10	0	0	0	0	0	0	306
BY MONTH	0	0	0	0	0	0	0	0	0	0	0
											7531

TABLE V (CONT.)  
 DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
 BY MONTH AND BY HOUR (IN PERCENT)  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

1-15 DECEMBER

BY MONTH	HOUR	DRY BULB TEMPERATURE (DEG F)												OBSERVATIONS
		$\geq 10 < 17$	$\geq 20 \leq 32 \geq 33 < 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	$\geq 100$	$\geq 110 < 117$	$\geq 120 \leq 127$	$\geq 130 < 139$	
	0	0	0	0	0	0	0	0	0	0	0	0	0	321
	1	0	0	0	0	0	0	0	0	0	0	0	0	322
	2	0	0	0	0	0	0	0	0	0	0	0	0	323
	3	0	0	0	0	0	0	0	0	0	0	0	0	323
	4	0	0	0	0	0	0	0	0	0	0	0	0	323
	5	0	0	0	0	0	0	0	0	0	0	0	0	323
	6	0	0	0	0	0	0	0	0	0	0	0	0	323
	7	0	0	0	0	0	0	0	0	0	0	0	0	322
	8	0	0	0	0	0	0	0	0	0	0	0	0	323
	9	0	0	0	0	0	0	0	0	0	0	0	0	323
	10	0	0	0	0	0	0	0	0	0	0	0	0	320
	11	0	0	0	0	0	0	0	0	0	0	0	0	320
	12	0	0	0	0	0	0	0	0	0	0	0	0	322
	13	0	0	0	0	0	0	0	0	0	0	0	0	320
	14	0	0	0	0	0	0	0	0	0	0	0	0	321
	15	0	0	0	0	0	0	0	0	0	0	0	0	321
	16	0	0	0	0	0	0	0	0	0	0	0	0	317
	17	0	0	0	0	0	0	0	0	0	0	0	0	314
	18	0	0	0	0	0	0	0	0	0	0	0	0	313
	19	0	0	0	0	0	0	0	0	0	0	0	0	311
	20	0	0	0	0	0	0	0	0	0	0	0	0	314
	21	0	0	0	0	0	0	0	0	0	0	0	0	313
	22	0	0	0	0	0	0	0	0	0	0	0	0	313
	23	0	0	0	0	0	0	0	0	0	0	0	0	313
	24	0	0	0	0	0	0	0	0	0	0	0	0	7668
	25	0	0	0	0	0	0	0	0	0	0	0	0	0
	26	0	0	0	0	0	0	0	0	0	0	0	0	0
	27	0	0	0	0	0	0	0	0	0	0	0	0	0
	28	0	0	0	0	0	0	0	0	0	0	0	0	0
	29	0	0	0	0	0	0	0	0	0	0	0	0	0
	30	0	0	0	0	0	0	0	0	0	0	0	0	0
	31	0	0	0	0	0	0	0	0	0	0	0	0	0
	32	0	0	0	0	0	0	0	0	0	0	0	0	0
	33	0	0	0	0	0	0	0	0	0	0	0	0	0
	34	0	0	0	0	0	0	0	0	0	0	0	0	0
	35	0	0	0	0	0	0	0	0	0	0	0	0	0
	36	0	0	0	0	0	0	0	0	0	0	0	0	0
	37	0	0	0	0	0	0	0	0	0	0	0	0	0
	38	0	0	0	0	0	0	0	0	0	0	0	0	0
	39	0	0	0	0	0	0	0	0	0	0	0	0	0
	40	0	0	0	0	0	0	0	0	0	0	0	0	0
	41	0	0	0	0	0	0	0	0	0	0	0	0	0
	42	0	0	0	0	0	0	0	0	0	0	0	0	0
	43	0	0	0	0	0	0	0	0	0	0	0	0	0
	44	0	0	0	0	0	0	0	0	0	0	0	0	0
	45	0	0	0	0	0	0	0	0	0	0	0	0	0
	46	0	0	0	0	0	0	0	0	0	0	0	0	0
	47	0	0	0	0	0	0	0	0	0	0	0	0	0
	48	0	0	0	0	0	0	0	0	0	0	0	0	0
	49	0	0	0	0	0	0	0	0	0	0	0	0	0
	50	0	0	0	0	0	0	0	0	0	0	0	0	0
	51	0	0	0	0	0	0	0	0	0	0	0	0	0
	52	0	0	0	0	0	0	0	0	0	0	0	0	0
	53	0	0	0	0	0	0	0	0	0	0	0	0	0
	54	0	0	0	0	0	0	0	0	0	0	0	0	0
	55	0	0	0	0	0	0	0	0	0	0	0	0	0
	56	0	0	0	0	0	0	0	0	0	0	0	0	0
	57	0	0	0	0	0	0	0	0	0	0	0	0	0
	58	0	0	0	0	0	0	0	0	0	0	0	0	0
	59	0	0	0	0	0	0	0	0	0	0	0	0	0
	60	0	0	0	0	0	0	0	0	0	0	0	0	0
	61	0	0	0	0	0	0	0	0	0	0	0	0	0
	62	0	0	0	0	0	0	0	0	0	0	0	0	0
	63	0	0	0	0	0	0	0	0	0	0	0	0	0
	64	0	0	0	0	0	0	0	0	0	0	0	0	0
	65	0	0	0	0	0	0	0	0	0	0	0	0	0
	66	0	0	0	0	0	0	0	0	0	0	0	0	0
	67	0	0	0	0	0	0	0	0	0	0	0	0	0
	68	0	0	0	0	0	0	0	0	0	0	0	0	0
	69	0	0	0	0	0	0	0	0	0	0	0	0	0
	70	0	0	0	0	0	0	0	0	0	0	0	0	0
	71	0	0	0	0	0	0	0	0	0	0	0	0	0
	72	0	0	0	0	0	0	0	0	0	0	0	0	0
	73	0	0	0	0	0	0	0	0	0	0	0	0	0
	74	0	0	0	0	0	0	0	0	0	0	0	0	0
	75	0	0	0	0	0	0	0	0	0	0	0	0	0
	76	0	0	0	0	0	0	0	0	0	0	0	0	0
	77	0	0	0	0	0	0	0	0	0	0	0	0	0
	78	0	0	0	0	0	0	0	0	0	0	0	0	0
	79	0	0	0	0	0	0	0	0	0	0	0	0	0
	80	0	0	0	0	0	0	0	0	0	0	0	0	0
	81	0	0	0	0	0	0	0	0	0	0	0	0	0
	82	0	0	0	0	0	0	0	0	0	0	0	0	0
	83	0	0	0	0	0	0	0	0	0	0	0	0	0
	84	0	0	0	0	0	0	0	0	0	0	0	0	0
	85	0	0	0	0	0	0	0	0	0	0	0	0	0
	86	0	0	0	0	0	0	0	0	0	0	0	0	0
	87	0	0	0	0	0	0	0	0	0	0	0	0	0
	88	0	0	0	0	0	0	0	0	0	0	0	0	0
	89	0	0	0	0	0	0	0	0	0	0	0	0	0
	90	0	0	0	0	0	0	0	0	0	0	0	0	0
	91	0	0	0	0	0	0	0	0	0	0	0	0	0
	92	0	0	0	0	0	0	0	0	0	0	0	0	0
	93	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0
	95	0	0	0	0	0	0	0	0	0	0	0	0	0
	96	0	0	0	0	0	0	0	0	0	0	0	0	0
	97	0	0	0	0	0	0	0	0	0	0	0	0	0
	98	0	0	0	0	0	0	0	0	0	0	0	0	0
	99	0	0	0	0	0	0	0	0	0	0	0	0	0
	100	0	0	0	0	0	0	0	0	0	0	0	0	0
	101	0	0	0	0	0	0	0	0	0	0	0	0	0
	102	0	0	0	0	0	0	0	0	0	0	0	0	0
	103	0	0	0	0	0	0	0	0	0	0	0	0	0
	104	0	0	0	0	0								

TABLE V (CONT.)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

16-31 DECEMBER

HOUR	DRY BULB TEMPERATURE (DEG F)						OBSERVATIONS
	$\geq -10 < 9$	$\geq 9 < 19$	$\geq 19 < 20$	$\geq 20 < 32$	$\geq 32 < 39$	$\geq 39 < 49$	
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0
BY MONTH	0	0	0	0	0	0	0

SECTION II

DENSITY AND PRESSURE

PAGE

Table VI. Mean and Extreme Density and Station Pressure by  
Month and by Hour -----

62

TABLE VI

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY HOUR AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF JANUARY

HOUR	DENSITY (G/CU.M)			STATION PRESSURE (IN OF HG)		
	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN
0	1159.5	1087.2	1015.4	563	26.170	25.767
1	1164.3	1068.7	1034.7	567	26.160	25.764
2	1219.2	1091.6	1026.8	597	26.180	25.772
3	1168.0	1093.1	1031.9	567	26.150	25.766
4	1170.4	1094.7	1027.1	567	26.140	25.763
5	1215.1	1096.6	1029.8	597	26.180	25.767
6	1169.0	1097.9	1027.4	567	26.150	25.767
7	1172.0	1100.0	1029.2	569	26.170	25.779
8	1217.4	1096.7	1028.9	597	26.230	25.797
9	1162.5	1089.6	1023.4	566	26.200	25.803
10	1158.1	1083.8	1026.3	566	26.220	25.813
11	1184.5	1078.2	1021.2	598	26.240	25.813
12	1150.5	1071.2	1019.8	568	26.200	25.779
13	1144.2	1065.5	1017.8	568	26.180	25.749
14	1174.3	1062.3	1016.0	600	26.160	25.737
15	1146.0	1060.0	1015.6	570	26.160	25.724
16	1144.8	1060.9	1015.2	569	26.150	25.723
17	1176.8	1067.0	1019.4	583	26.160	25.735
18	1150.9	1073.0	1019.2	547	26.140	25.734
19	1156.3	1077.1	1021.6	545	26.140	25.744
20	1194.1	1080.1	1026.0	577	26.200	25.757
21	1158.2	1081.9	1026.7	546	26.160	25.758
22	1161.5	1084.2	1028.5	547	26.170	25.764
23	1207.7	1086.2	1032.3	578	26.210	25.774
BY MONTH	1219.2	1082.0	1015.2	13719	26.240	25.765
						25.380
						14221

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR  
 AT STATION 4 - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF FEBRUARY

## DENSITY (G/CU.M)

## STATION PRESSURE (IN OF HG)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	1177.8	1080.6	1027.3	517	26.150	25.736	25.270	517	0
1	1180.4	1082.5	1026.3	518	26.150	25.735	25.270	518	1
2	1178.3	1083.3	1028.2	545	26.140	25.728	25.260	603	2
3	1167.7	1066.1	1026.6	517	26.120	25.731	25.250	517	3
4	1173.3	1088.1	1028.5	518	26.110	25.730	25.240	518	4
5	1177.8	1089.0	1031.9	566	26.110	25.726	25.250	605	5
6	1177.5	1091.6	1034.9	517	26.120	25.741	25.290	517	6
7	1174.7	1093.5	1037.3	518	26.130	25.752	25.260	518	7
8	1170.5	1087.7	1033.9	545	26.160	25.760	25.210	603	8
9	1163.6	1082.5	1030.5	518	26.170	25.779	25.290	518	9
10	1169.0	1076.7	1025.0	518	26.170	25.784	25.230	518	10
11	1158.6	1069.3	1021.2	564	26.160	25.771	25.220	604	11
12	1157.3	1064.1	1018.5	518	26.160	25.756	25.270	518	12
13	1152.9	1058.9	1013.7	517	26.130	25.726	25.270	517	13
14	1154.5	1054.6	1009.3	546	26.120	25.699	25.180	603	14
15	1145.1	1053.1	1008.7	518	26.100	25.691	25.240	518	15
16	1145.6	1053.3	1004.2	518	26.100	25.686	25.280	518	16
17	1149.4	1055.6	1014.9	550	26.090	25.680	25.280	593	17
18	1154.1	1063.0	1019.3	500	26.090	25.691	25.310	500	18
19	1155.1	1068.0	1019.8	499	26.110	25.701	25.300	499	19
20	1155.4	1070.6	1020.9	528	25.130	25.705	25.300	585	20
21	1156.3	1074.3	1022.2	500	26.140	25.720	25.280	500	21
22	1164.7	1076.5	1024.2	500	26.150	25.726	25.280	500	22
23	1172.3	1077.6	1024.7	545	26.150	25.727	25.280	584	23
BY MONTH	1180.4	1074.2	1004.2	12600	26.170	25.728	25.180	12991	

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF MARCH

DENSITY (G/CM<sup>3</sup>)

## STATION PRESSURE (IN OF HG)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	1142.0	1064.1	1014.6	565	26.110	25.677	25.250	565	0
1	1141.9	1066.3	1017.1	566	26.140	25.678	25.250	566	1
2	1139.2	1069.1	1019.1	596	26.140	25.678	25.240	664	2
3	1138.3	1070.4	1018.7	566	26.140	25.672	25.220	566	3
4	1148.5	1072.7	1023.0	566	26.140	25.672	25.190	566	4
5	1149.9	1075.3	1025.0	597	26.120	25.681	25.200	665	5
6	1152.2	1077.6	1025.1	564	26.140	25.691	25.200	564	6
7	1150.7	1076.6	1021.1	565	26.140	25.704	25.220	565	7
8	1139.6	1071.1	1018.2	595	26.170	25.721	25.250	663	8
9	1132.3	1065.2	1015.9	565	26.180	25.726	25.260	565	9
10	1125.5	1059.1	1014.8	565	26.180	25.728	25.300	565	10
11	1118.5	1053.3	1011.0	594	26.170	25.717	25.300	662	11
12	1118.9	1047.8	1005.9	569	26.150	25.698	25.260	566	12
13	1115.2	1043.2	1002.6	563	26.110	25.672	25.240	563	13
14	1112.5	1039.9	998.8	595	26.070	25.649	25.200	662	14
15	1112.3	1037.5	996.7	564	26.020	25.634	25.210	564	15
16	1113.5	1037.4	998.1	565	26.000	25.624	25.200	565	16
17	1115.8	1039.7	999.1	575	26.010	25.624	25.180	666	17
18	1121.1	1043.5	1002.7	537	25.990	25.625	25.210	537	18
19	1124.0	1049.0	1007.4	539	26.000	25.637	25.230	539	19
20	1130.1	1053.4	1009.8	571	26.030	25.651	25.240	638	20
21	1140.3	1056.2	1013.4	541	26.040	25.663	25.260	541	21
22	1145.3	1059.0	1011.9	539	26.070	25.672	25.280	539	22
23	1144.5	1061.9	1010.0	570	26.080	25.679	25.270	637	23
BY MONTH									
				13629	99607	10580.0	10520.2	11520.2	14173
						26.0180	25.674	25.180	

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF APRIL

HOUR	DENSITY (G/CU.M)			STATION PRESSURE (IN OF HG)		
	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN
0	1101.5	1045.2	1004.2	573	26.050	25.663
1	1102.0	1047.8	1007.7	575	26.070	25.661
2	1107.6	1049.7	1009.1	598	26.080	25.659
3	1110.0	1052.4	1012.8	574	26.100	25.658
4	1116.4	1054.9	1010.4	575	26.110	25.661
5	1116.9	1057.0	1010.1	597	26.120	25.670
6	1115.9	1058.7	1011.7	575	26.140	25.682
7	1110.2	1054.5	1009.5	574	26.160	25.699
8	1107.9	1048.9	1005.6	599	26.160	25.710
9	1098.6	1043.6	1004.2	574	26.160	25.713
10	1092.5	1038.0	1000.9	574	26.160	25.713
11	1090.3	1032.5	996.4	597	26.130	25.699
12	1084.6	1027.9	992.6	573	26.100	25.678
13	1084.6	1023.6	986.9	575	26.060	25.656
14	1074.1	1020.4	984.3	598	26.030	25.637
15	1074.8	1018.7	982.7	573	26.000	25.615
16	1076.7	1018.3	982.3	574	25.980	25.603
17	1076.5	1019.2	982.3	561	25.970	25.604
18	1083.7	1023.0	987.7	532	25.960	25.603
19	1083.7	1028.3	987.7	530	25.960	25.612
20	1091.5	1032.6	994.2	557	25.970	25.630
21	1095.2	1036.5	996.5	531	25.990	25.646
22	1097.1	1039.8	1001.7	529	25.990	25.655
23	1099.2	1042.1	1003.6	556	26.020	25.661
BY MONTH	1116.9	1038.0	982.3	13674	26.160	25.658

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF MAY

HOUR	DENSITY (G/CU.M)			STATION PRESSURE (IN OF HG)		
	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN
0	1086.9	1030.2	991.7	579	26.100	25.681
1	1095.6	1032.9	993.0	579	26.100	25.680
2	1093.7	1035.1	991.0	611	26.100	25.678
3	1094.6	1038.0	998.0	580	26.090	25.681
4	1102.3	1040.3	998.6	593	26.090	25.684
5	1100.0	1042.7	1002.5	624	26.080	25.693
6	1098.6	1041.3	999.9	591	26.090	25.708
7	1090.6	1036.4	990.7	591	26.100	25.722
8	1084.4	1031.0	988.7	623	26.100	25.731
9	1078.3	1025.2	985.3	590	26.100	25.733
10	1079.0	1019.8	980.4	592	26.100	25.730
11	1076.7	1014.6	976.8	622	26.080	25.714
12	1076.3	1010.4	972.3	592	26.060	25.697
13	1073.8	1006.6	969.4	591	26.040	25.677
14	1072.2	1003.8	964.2	623	26.020	25.656
15	1076.6	1002.5	967.9	591	26.000	25.637
16	1072.3	1002.4	962.1	592	26.010	25.624
17	1076.7	1003.3	966.0	583	26.020	25.617
18	1075.8	1006.3	969.9	548	26.030	25.616
19	1077.8	1011.5	977.0	548	26.050	25.626
20	1080.8	1016.5	979.1	565	26.060	25.639
21	1086.0	1020.6	981.7	532	26.080	25.658
22	1090.3	1023.7	983.6	533	26.120	25.669
23	1088.7	1026.4	991.0	563	26.100	25.678
BY MONTH		1107.3	1021.8	962.1	14034	26.120
						25.677
						25.310
						14380

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF JUNE

HOUR	DENSITY (G/CU.M)			STATION PRESSURE (IN OF HG)		
	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN
0	1065.2	1012.2	931.1	516	25.980	25.678
1	1060.4	1015.0	976.6	537	25.980	25.677
2	1062.1	1017.4	780.9	565	25.980	25.679
3	1065.7	1020.3	982.8	537	25.990	25.679
4	1067.6	1023.2	985.1	570	25.990	25.686
5	1072.0	1025.5	989.4	598	26.020	25.699
6	1069.9	1022.9	987.7	560	26.020	25.710
7	1063.9	1017.7	984.2	567	26.050	25.723
8	1055.6	1013.3	979.4	596	26.060	25.734
9	1049.8	1008.0	974.1	567	26.060	25.733
10	1047.8	1003.1	970.3	566	26.070	25.730
11	1044.4	998.3	965.1	598	26.060	25.718
12	1044.3	993.9	962.4	569	26.030	25.701
13	1042.3	990.3	961.4	567	26.010	25.680
14	1035.4	987.8	958.0	595	25.990	25.663
15	1038.7	986.7	958.8	565	25.960	25.643
16	1041.4	986.4	956.7	568	25.950	25.630
17	1041.6	987.1	955.5	581	25.930	25.618
18	1041.1	990.4	961.9	527	25.930	25.617
19	1044.0	994.7	967.2	526	25.930	25.623
20	1043.5	999.6	971.8	527	25.940	25.635
21	1045.0	1003.7	973.4	497	25.960	25.651
22	1045.5	1006.7	975.0	496	25.980	25.665
23	1049.4	1009.6	977.4	528	25.990	25.678
BY MONTH	1072.0	1004.7	955.5	13327	26.070	25.678

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF JULY

HOUR	DENSITY (G/CU.M)			STATION PRESSURE (IN OF HG)		
	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN
0	1051.6	1011.0	966.7	534	26.020	25.760
1	1051.2	1013.3	979.7	557	25.940	25.760
2	1052.5	1015.6	985.8	588	25.980	25.761
3	1054.5	1016.2	984.5	557	26.000	25.759
4	1054.0	1020.3	984.3	568	26.000	25.762
5	1054.0	1022.6	992.0	599	26.000	25.774
6	1052.7	1021.4	991.1	566	25.980	25.784
7	1049.9	1016.3	986.9	566	25.980	25.796
8	1050.4	1012.0	985.7	597	25.990	25.806
9	1048.9	1006.5	976.0	568	25.990	25.805
10	1045.2	1001.6	973.4	568	26.000	25.804
11	1046.2	996.8	967.0	598	26.050	25.791
12	1049.9	992.4	961.4	569	26.000	25.774
13	1044.8	989.3	958.9	569	25.990	25.753
14	1041.4	987.2	957.4	598	26.000	25.736
15	1040.0	985.9	957.7	567	25.960	25.716
16	1041.2	986.8	954.4	568	25.940	25.702
17	1036.5	987.7	955.5	580	25.920	25.693
18	1036.8	990.4	961.4	527	25.910	25.692
19	1038.7	995.0	967.2	525	25.910	25.480
20	1042.3	999.9	970.1	547	25.970	25.500
21	1044.7	1003.3	972.1	516	25.980	25.520
22	1048.6	1006.2	972.2	517	25.950	25.540
23	1051.5	1009.0	973.9	547	26.020	25.762
BY MONTH	1054.5	1003.7	954.4	26.050	25.754	25.470
					13496	14029

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF AUGUST

## DENSITY (g/cu.m.)

## STATION PRESSURE (IN OF HG)

HOUR	TOTAL			TOTAL			TOTAL OBSERVATIONS
	HIGH	MEAN	LOW	OBSERVATIONS	HIGH	MEAN	
0	1045.2	1015.7	989.0	561	25.970	25.772	25.550
1	1046.5	1018.0	990.0	570	25.960	25.771	25.540
2	1049.8	1020.3	991.5	601	26.000	25.770	25.530
3	1052.3	1022.3	996.5	569	25.960	25.769	25.530
4	1058.8	1024.5	998.4	570	25.960	25.771	25.530
5	1056.1	1026.5	1000.6	599	25.970	25.778	25.540
6	1054.4	1027.0	1000.4	566	25.970	25.788	25.550
7	1048.4	1021.8	995.8	569	25.900	25.801	25.560
8	1046.1	1016.5	992.5	600	26.000	25.809	25.570
9	1045.9	1011.2	983.1	569	26.000	25.814	25.590
10	1042.6	1006.1	975.8	568	26.000	25.814	25.580
11	1042.3	1001.5	975.8	601	26.010	25.801	25.590
12	1041.0	997.0	972.8	569	25.980	25.784	25.580
13	1037.4	993.9	968.4	570	25.960	25.764	25.570
14	1038.1	991.8	967.7	598	25.950	25.744	25.560
15	1038.1	990.9	963.8	569	25.930	25.724	25.540
16	1035.7	991.3	965.0	569	25.920	25.712	25.510
17	1038.7	993.0	966.4	578	25.940	25.706	25.520
18	1038.4	996.2	972.0	539	25.940	25.705	25.510
19	1042.3	1001.2	978.0	539	25.950	25.714	25.520
20	1049.0	1005.3	978.6	568	25.960	25.730	25.530
21	1050.8	1008.5	982.7	539	25.980	25.750	25.550
22	1054.5	1010.9	986.0	539	25.980	25.759	25.560
23	1056.8	1013.2	987.9	567	26.000	25.769	25.550
BY MONTH	1058.8	1008.6	963.8	13687	26.010	25.764	25.510
							14212

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY HOUR  
A STATIC - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF SEPTEMBER

DENSITY (G/CM<sup>3</sup>)

## STATION PRESSURE (IN OF HG)

HOUR	TOTAL OBSERVATIONS			HIGH	MEAN	LOW	TOTAL OBSERVATIONS	STATION PRESSURE (IN OF HG)
	HIGH	MEAN	LOW	HIGH	MEAN	LOW	HOUR	
0	1080.9	1025.1	975.0	550	26.020	25.755	25.510	550
1	1080.9	1026.4	992.7	548	26.020	25.756	25.500	548
2	1082.7	1030.4	991.4	575	26.010	25.752	25.510	638
3	1082.2	1033.0	998.3	548	26.000	25.755	25.510	548
4	1081.4	1035.2	1001.4	549	26.000	25.758	25.510	549
5	1081.6	1037.3	1004.1	578	26.020	25.762	25.510	641
6	1084.7	1039.5	1002.5	548	26.020	25.776	25.510	548
7	1085.0	1034.8	1051.4	546	26.040	25.790	25.520	546
8	1086.0	1028.4	997.8	574	26.040	25.797	25.530	637
9	1084.1	1022.2	989.4	546	26.050	25.807	25.540	546
10	1080.4	1016.4	989.6	547	26.050	25.809	25.540	547
11	1080.4	1011.1	984.1	575	26.040	25.792	25.540	638
12	1080.1	1006.3	976.9	548	26.030	25.775	25.500	548
13	1077.7	1020.7	976.4	549	26.020	25.753	25.480	549
14	1076.9	1000.4	974.6	576	26.010	25.727	25.450	640
15	1072.3	999.1	974.0	546	26.000	25.715	25.440	546
16	1072.6	999.6	972.1	548	26.000	25.705	25.430	548
17	1074.9	1002.1	976.1	563	26.000	25.700	25.450	630
18	1079.5	1007.0	979.6	529	26.000	25.703	25.470	529
19	1079.8	1012.5	984.2	531	26.010	25.712	25.470	531
20	1080.2	1016.7	987.3	558	26.030	25.726	25.470	621
21	1080.8	1019.3	988.8	528	26.040	25.742	25.510	528
22	1080.9	1021.7	993.0	530	26.040	25.748	25.510	530
23	1080.2	1024.0	994.4	560	26.030	25.751	25.490	623
BY MONTH	1086.0	1018.9	972.1	13250	26.050	25.753	25.430	13759

TABLE VI (CONT)

MEAN AIR, EXTREMES INTENSITY AND STATION PRESSURE BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF OCTOBER

HOUR	DENSITY (G/CJM)			STATION PRESSURE (IN OF Hg.)		
	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN
0	1106.3	1147.7	1004.7	569	26•110	25•775
1	1107.7	1250.1	1097.1	569	26•110	25•777
2	1109.9	1052.2	1007.5	601	26•110	25•772
3	1105.4	1054.3	1011.0	570	26•120	25•775
4	1109.9	1056.5	1011.6	570	26•120	25•778
5	1112.5	1058.8	1014.6	600	26•140	25•782
6	1114.7	1061.6	1017.4	575	26•160	25•796
7	1113.1	1056.5	1015.6	573	26•180	25•807
8	1101.4	1051.3	1008.9	605	26•200	25•818
9	1090.6	1044.9	1002.2	574	26•220	25•832
10	1090.9	1038.7	1000.2	572	26•220	25•831
11	1091.4	1032.5	996.3	606	26•180	25•812
12	1088.5	1027.2	991.5	572	26•140	25•797
13	1085.5	1022.6	989.6	570	26•110	25•768
14	1084.7	1019.8	987.6	600	26•090	25•745
15	1084.1	1018.9	987.1	572	26•070	25•739
16	1084.2	1019.7	987.1	569	26•060	25•732
17	1085.3	1023.7	990.7	578	26•060	25•726
18	1085.2	1031.1	994.9	547	26•040	25•736
19	1089.6	1035.8	996.4	548	26•060	25•746
20	1091.0	1038.9	999.1	578	26•090	25•751
21	1090.4	1041.6	1001.4	549	26•090	25•765
22	1094.4	1044.2	1003.2	547	26•090	25•772
23	1096.5	1046.4	1004.5	578	26•110	25•771
BY MONTH						
	1114.7	1040.7	987.1	13792	26•220	25•775
						25•300
						14355

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF NOVEMBER

HOUR	DENSITY (G/CU.M)			STATION PRESSURE (IN OF HG)					
	HIGH		MEAN	TOTAL OBSERVATIONS		HIGH			
	MEAN	LOW	LOW	HIGH	MEAN	TOTAL OBSERVATIONS			
0	1134.5	1072.4	1024.5	548	26.180	25.781	25.430	548	0
1	1134.5	1074.2	1026.2	552	26.180	25.781	25.410	552	1
2	1139.6	1076.3	1026.1	579	26.190	25.782	25.340	637	2
3	1136.8	1078.2	1026.9	551	26.190	25.779	25.400	551	3
4	1140.5	1080.7	1028.3	552	26.190	25.779	25.390	552	4
5	1147.3	1082.1	1030.5	582	26.210	25.785	25.290	640	5
6	1146.2	1084.3	1030.4	551	26.220	25.791	25.360	551	6
7	1141.8	1084.3	1031.5	551	26.240	25.803	25.410	551	7
8	1139.0	1078.0	1028.2	576	26.260	25.821	25.360	634	8
9	1128.5	1071.6	1027.3	551	26.270	25.829	25.460	551	9
10	1125.9	1065.9	1023.7	552	26.280	25.832	25.450	552	10
11	1122.8	1060.1	1021.0	579	26.260	25.821	25.390	637	11
12	1121.7	1053.4	1012.9	549	26.230	25.793	25.400	549	12
13	1120.5	1048.5	1008.3	549	26.200	25.767	25.390	549	13
14	1114.8	1046.1	1010.1	575	26.170	25.753	25.360	633	14
15	1114.6	1044.4	1009.8	549	26.140	25.741	25.390	549	15
16	1119.5	1046.1	1009.9	548	26.150	25.738	25.400	548	16
17	1123.6	1052.7	1013.6	564	26.140	25.741	25.330	630	17
18	1121.2	1058.5	1015.4	528	26.140	25.747	25.390	528	18
19	1121.2	1062.1	1019.3	528	26.150	25.757	25.400	528	19
20	1125.8	1065.2	1018.0	554	26.160	25.766	25.360	614	20
21	1126.6	1067.3	1020.9	527	26.160	25.773	25.400	527	21
22	1126.4	1069.4	1023.2	526	26.180	25.780	25.400	526	22
23	1131.7	1071.6	1024.9	558	26.160	25.784	25.360	616	23
BY MONTH	1147.3	1066.4	1008.3	13279	26.280	25.780	25.290	13755	

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF DECEMBER

HOUR	DENSITY (G/CU.M)			STATION PRESSURE (IN OF HG.)		
	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN
0	1157.5	1088.7	1029.3	563	26.250	25.774
1	1157.6	1090.2	1029.2	566	26.240	25.769
2	1165.0	1091.3	1030.8	597	26.250	25.771
3	1169.5	1093.8	1027.6	567	26.250	25.771
4	1163.8	1095.0	1027.5	567	26.250	25.766
5	1175.7	1096.2	1025.2	598	26.270	25.767
6	1180.3	1098.5	1027.5	567	26.270	25.773
7	1177.8	1099.9	1027.2	565	26.270	25.783
8	1175.3	1095.0	1025.2	596	26.270	25.800
9	1153.2	1089.1	1025.6	564	26.280	25.810
10	1150.6	1083.6	1022.2	564	26.290	25.818
11	1146.8	1077.3	1023.2	596	26.250	25.808
12	1143.3	1071.4	1019.0	562	26.220	25.782
13	1137.3	1065.9	1014.4	563	26.210	25.755
14	1132.6	1062.4	1011.1	591	26.180	25.740
15	1132.3	1061.6	1014.9	563	26.180	25.732
16	1131.5	1063.2	1014.4	564	26.180	25.731
17	1136.0	1069.5	1018.6	581	26.180	25.736
18	1140.6	1075.8	1020.8	550	26.190	25.741
19	1143.1	1078.9	1022.8	550	26.210	25.750
20	1146.0	1080.6	1021.0	576	26.220	25.758
21	1148.3	1083.0	1022.8	546	26.240	25.763
22	1150.8	1085.1	1023.8	548	26.240	25.769
23	1155.1	1086.7	1025.1	580	26.240	25.776
BY MONTH	1180.3	1082.7	1011.1	13684	26.290	25.769
						25.200
						14044

SECTION III

CLOUDS

PAGE

**Table VII. Diurnal Variation of the Relative Frequency  
Distribution of Cloudiness Types by Month  
and by Hour -----**

**77**

## CLOUD CLASSIFICATION (11)

**Family A: High Clouds**  
**(Mean lower level, 6,000 meters, 20,000 feet)**

**Cirrus (Ci)**  
**Cirrocumulus (Cc)**  
**Cirrostratus (Cs)**

**Family B: Middle Clouds**  
**(Mean upper level, 6,000 meters, 20,000 feet;**  
**mean lower level, 2,000 meters, 6,500 feet)**

**Altocumulus (Ac)**  
**Altostratus (As)**

**Family C: Low Clouds**  
**(Mean upper level 2,000 meters, 6,500 feet;**  
**mean lower level, close to the surface)**

**Stratocumulus (Sc)**  
**Stratus (St)**  
**Nimbostratus (Ns)**

**Family D: Clouds With Vertical Development**  
**(Mean upper level, that of cirrus; mean lower**  
**level 500 meters, 1,600 feet)**

**Cumulus (Cu)**  
**Cumulonimbus (Cb)**

TABLE VII

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF JANUARY

HOUR	STRATUS						MONTH
	CUMULUS	CIRRUS	CUMULONIMBUS	STRATOCUMULUS	CIRROSTRATUS	FRACTOSTRATUS	
0	0	1	1	1	1	1	14
1	1	1	30	10	14	4	651
2	1	1	34	13	15	4	657
3	1	1	30	10	15	3	658
4	0	0	29	10	15	4	658
5	1	1	32	14	16	5	658
6	1	1	33	13	19	5	661
7	3	4	46	17	29	6	662
8	6	5	53	19	31	7	663
9	9	5	50	16	29	8	664
10	10	6	52	16	28	9	667
11	67	6	67	19	31	10	665
12	11	9	53	15	26	11	666
13	11	11	53	15	24	12	662
14	13	13	60	18	25	13	662
15	12	12	51	14	23	14	663
16	11	5	53	15	21	15	662
17	9	9	58	18	24	16	661
18	5	3	46	14	21	17	650
19	3	3	38	12	16	18	640
20	2	2	40	14	15	19	640
21	1	1	32	10	13	20	659
22	2	2	32	9	13	21	658
23	2	2	37	11	14	22	658
BY							23
							641
							641
							14
							19806
							5

TABLE VII (CONT.)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF FEBRUARY

HOUR	STATUS						MONTH
	CUMULUS	CIRRUS	STRATOCUMULUS	ALTOSTRATUS	NIMBOSTRATUS	OBSERVATIONS	
0	0	28	10	13	0	603	0
1	1	26	10	12	1	604	1
2	2	27	12	14	2	603	2
3	3	25	11	11	3	603	3
4	4	26	10	11	4	604	4
5	5	29	11	14	5	605	5
6	6	35	12	24	6	603	6
7	7	44	16	32	7	604	7
8	8	51	19	34	8	603	8
9	9	43	16	27	9	604	9
10	10	46	16	27	10	604	10
11	11	54	18	29	11	604	11
12	12	48	13	22	12	605	12
13	13	47	14	22	13	605	13
14	14	54	16	26	14	604	14
15	15	48	13	22	15	605	15
16	16	49	14	21	16	604	16
17	17	52	19	25	17	594	17
18	18	43	16	21	18	587	18
19	19	36	13	17	19	603	19
20	20	37	12	17	20	604	20
21	21	30	11	13	21	605	21
22	22	29	9	13	22	604	22
23	23	33	11	16	23	585	23
BY MONTH				13	20	14449	

TABLE VII (CONT.)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF MARCH

HOUR	STATUS					MONTH	MONTH
	CUMULUS	CUMULONIMBUS	CIRRUS	STRATOCUMULUS	ALTOCUMULUS		
MAMMATO-CUMULUS	CIRROCUMULUS	CIRROSTRATUS	FRACTOSTRATUS	NIMBOSTRATUS	OBSERVATIONS	HOUR	
0	3	26	9	15	3	664	0
1	3	25	9	14	3	666	1
2	3	28	11	16	4	664	2
3	2	26	10	14	3	665	3
4	3	27	9	14	4	667	4
5	3	34	13	19	5	667	5
6	4	42	17	30	6	663	6
7	5	41	17	31	7	664	7
8	7	50	19	34	8	666	8
9	9	45	17	31	9	666	9
10	15	46	14	27	10	666	10
11	25	54	15	28	11	667	11
12	23	45	11	23	12	665	12
13	27	46	11	21	13	663	13
14	34	56	13	22	14	663	14
15	29	48	12	20	15	663	15
16	28	48	11	19	16	664	16
17	28	52	14	23	17	648	17
18	18	46	12	23	18	636	18
19	19	37	12	20	19	662	19
20	20	39	12	16	20	661	20
21	21	31	8	13	21	661	21
22	22	29	9	14	22	659	22
23	23	33	11	15	23	639	23
BY MONTH	40		12	21	4	15872	

TABLE VII (CONT.)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF APRIL

HOUR	STRATUS					MONTH
	CUMULUS	CIRRUS	STRATOCUMULUS	FRACTOSTRATUS	ALTOSTRATUS	
0	3	2	25	27	15	640
1	2	2	25	25	16	641
2	2	2	28	6	15	641
3	2	2	24	6	15	642
4	2	2	27	6	17	645
5	4	2	43	9	30	644
6	6	6	42	11	31	642
7	7	6	43	9	27	641
8	8	8	50	10	29	645
9	9	9	45	7	24	643
10	15	23	45	7	20	643
11	29	32	52	6	20	642
12	34	32	43	6	19	640
13	41	34	45	5	19	642
14	41	37	51	5	19	642
15	36	46	46	5	18	641
16	36	46	46	6	17	642
17	34	52	52	7	21	608
18	24	46	46	7	23	599
19	15	41	41	9	23	616
20	9	38	38	7	19	617
21	6	31	31	6	16	616
22	6	30	30	5	15	616
23	5	32	32	6	16	598
BY	4Y	40	40	7	7	4
	MONTH	16			20	15186

TABLE VII (CONT)

HOUR	STRATUS					OBSERVATIONS	HOUR
	CUMULUS	CIRRUS	STRATOCUMULUS	FRACTOSTRATUS	ALTOSTRATUS		
0	6	5	5	4	4	14	0
1	5	4	6	6	6	16	1
2	4	4	6	6	6	18	2
3	4	4	6	6	6	17	3
4	4	4	7	7	7	24	4
5	7	8	10	10	10	40	5
6	5	42	8	8	8	33	6
7	7	42	7	7	7	30	7
8	11	47	7	7	7	33	8
9	22	44	5	5	5	29	9
10	37	44	4	4	4	23	10
11	51	51	4	4	4	25	11
12	55	43	3	3	3	18	12
13	59	44	3	3	3	16	13
14	65	44	3	3	3	18	14
15	60	48	2	2	2	14	15
16	58	44	2	2	2	19	16
17	60	44	4	4	4	21	17
18	46	46	5	5	5	23	18
19	33	43	8	8	7	21	19
20	21	21	42	42	7	15	20
21	12	12	33	33	5	15	21
22	10	29	5	5	3	13	22
23	9	31	5	5	2	16	23
BY MONTH			5	5	3	5	21
			39			15657	

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDS TYPES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF JUNE

HOUR	STRATUS						OBSERVATIONS	HOUR
	CUMULUS	CIRRUS	STRATOCUMULUS	FRACTOSTRATUS	ALTOSTRATUS	nimbostratus		
0	12	24	9	2	16	2	590	0
1	9	21	8	17	1	1	611	1
2	8	22	8	22	1	1	609	2
3	5	20	7	19	1	1	613	3
4	7	28	2	33	1	1	643	4
5	13	45	12	48	3	2	642	5
6	9	39	9	40	2	1	640	6
7	10	38	6	38	1	1	641	7
8	16	39	6	41	1	1	641	8
9	26	36	6	32	2	1	641	9
10	43	35	5	29	1	1	642	10
11	61	38	4	26	1	2	641	11
12	61	34	3	23	1	2	643	12
13	66	32	2	20	1	1	644	13
14	78	37	3	17	1	2	642	14
15	67	36	3	16	1	2	644	15
16	66	39	3	16	1	2	673	16
17	72	47	3	16	1	2	647	17
18	58	43	6	19	1	2	636	18
19	48	41	6	19	1	2	608	19
20	41	41	10	25	1	2	620	20
21	25	10	10	22	1	2	591	21
22	20	26	7	17	1	2	592	22
23	17	23	7	15	1	2	589	23
BY		27	9	15	1	2	576	
MONTH		34	7	25	2	2	15017	

TABLE VIII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUD TYPES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF JULY

HOUR	STRATUS						MONTH
	CUMULUS	CIRRUS	STRATOCUMULUS	FRACTOSTRATUS	ALTOSTRATUS	NIMBOSTRATUS	
MAMMATO-CUMULUS	CIRROSTRATUS	CIRROCUMULUS	FRACROCUMULUS	ALTOCUMULUS	OBSERVATIONS	HOUR	
0	24	31	10	4	34	628	0
1	22	30	9	36	3	654	1
2	18	29	12	39	4	654	2
3	13	26	10	36	4	654	3
4	12	29	11	49	4	665	4
5	20	52	20	67	5	664	5
6	17	49	17	60	4	663	6
7	16	49	14	56	3	663	7
8	22	53	16	59	4	662	8
9	42	46	12	49	3	663	9
10	63	49	9	43	2	664	10
11	86	53	8	41	2	664	11
12	80	47	5	31	2	666	12
13	81	46	3	25	2	665	13
14	96	56	4	24	2	663	14
15	83	52	3	23	2	673	15
16	82	53	3	22	3	663	16
17	94	62	5	27	5	649	17
18	78	57	6	30	4	622	18
19	67	56	9	37	4	639	19
20	62	53	13	38	4	629	20
21	40	40	13	33	3	628	21
22	34	37	11	33	3	628	22
23	36	39	11	37	3	615	23
BY						15638	
MONTH	50	46	10	39			

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF AUGUST

HOUR	STRATUS						OBSERVATIONS	HOUR
	CUMULUS	CUMULONIMBUS	CIRRUS	STRATOCUMULUS	CIRROSTRATUS	ALTOSTRATUS		
0	18	29	8	37	656	0	0	0
1	15	25	8	38	666	1	1	1
2	16	29	9	43	666	2	2	2
3	9	27	8	40	665	3	3	3
4	9	29	9	41	666	4	4	4
5	14	46	16	68	664	5	5	5
6	14	49	15	60	662	6	6	6
7	12	43	14	60	665	7	7	7
8	22	53	15	64	665	8	8	8
9	43	46	11	52	665	9	9	9
10	65	44	8	45	664	10	10	10
11	89	50	6	44	666	11	11	11
12	80	42	4	32	666	12	12	12
13	82	42	2	26	666	13	13	13
14	97	53	3	27	666	14	14	14
15	83	50	3	24	666	15	15	15
16	82	54	3	26	665	16	16	16
17	93	64	4	33	648	17	17	17
18	72	58	7	39	636	18	18	18
19	58	52	9	40	654	19	19	19
20	50	51	9	40	654	20	20	20
21	33	36	7	36	653	21	21	21
22	27	34	8	36	653	22	22	22
23	27	38	10	38	635	23	23	23
BY			93	43	41			
								15829
MONTH								

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF SEPTEMBER

HOUR	STATUS						OBSERVATIONS	HOUR
	CUMULUS	CIRRUS	STRATOCUMULUS	CIRROSTRATUS	FRACTOSTRATUS	ALTOSTRATUS		
0	10	22	7	26	1	1	642	
1	7	21	8	26	1	1	640	
2	7	20	10	29	2	2	641	
3	5	18	9	26	2	2	643	
4	5	18	9	25	2	2	644	
5	7	25	13	41	4	4	643	
6	10	30	15	46	3	3	639	
7	10	28	16	44	1	2	637	
8	8	13	31	49	2	1	637	
9	9	26	27	38	1	1	637	
10	43	25	12	35	1	1	640	
11	63	30	12	37	2	1	640	
12	60	25	8	27	1	2	640	
13	67	25	7	24	1	2	642	
14	78	31	9	26	1	2	642	
15	67	31	6	23	2	2	639	
16	65	32	6	26	1	1	641	
17	70	40	9	34	2	2	632	
18	51	33	8	34	2	2	622	
19	34	29	8	29	3	3	652	
20	25	28	8	28	2	2	646	
21	18	22	7	24	2	2	642	
22	15	22	6	24	2	2	644	
23	15	25	6	30	2	2	626	
BY								
MONTH	32	27	10	31	2			

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF OCTOBER

HOUR	STRATUS					OBSERVATIONS	HOUR
	CUMULUS	CIRRUS	STRATOCUMULUS	ALTOSTRATUS	NIMBOSTRATUS		
CUMULONIMBUS	CIRROSTRATUS	FRACTOCSTRATUS	FRACTOCUMULUS	FRACROCUMULUS			
MAMMATO-CUMULUS							
0	3	17	15	15	15	672	0
1	3	15	7	16	16	672	1
2	3	18	10	15	15	674	2
3	3	15	8	15	15	675	3
4	3	15	9	15	15	675	4
5	3	18	11	20	20	674	5
6	6	31	15	32	32	676	6
7	5	29	16	32	32	674	7
8	8	35	18	35	35	675	8
9	12	31	14	27	27	675	9
10	20	32	14	26	26	673	10
11	30	26	14	28	28	676	11
12	31	33	10	18	18	673	12
13	36	32	9	18	18	671	13
14	43	36	11	19	19	670	14
15	39	34	8	16	16	674	15
16	35	35	8	14	14	671	16
17	32	39	11	20	20	654	17
18	18	18	30	9	17	651	18
19	9	25	9	13	13	671	19
20	9	25	9	15	15	666	20
21	6	21	8	12	12	666	21
22	5	20	8	12	12	662	22
23	4	21	11	15	15	647	23
BY MONTH		27	15	11	11	16067	
					19		

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF NOVEMBER

HOUR	STATUS					MONTH
	CUMULUS	CIRRUS	STRATOCUMULUS	ALTOSTRATUS	NIMBOSTRATUS	
0	22	9	13	2	635	0
1	21	8	13	3	637	1
2	24	11	14	3	637	2
3	21	9	12	2	637	3
4	21	9	13	2	638	4
5	28	12	16	3	641	5
6	37	14	29	4	636	6
7	41	17	31	4	636	7
8	48	18	32	6	634	8
9	43	15	26	5	636	9
10	45	15	23	5	636	10
11	12	52	18	6	637	11
12	15	47	14	4	634	12
13	16	46	14	4	634	13
14	18	53	16	6	633	14
15	15	47	14	5	634	15
16	13	46	13	4	634	16
17	11	53	16	6	631	17
18	6	38	12	5	615	18
19	4	31	9	4	638	19
20	4	36	11	4	637	20
21	3	27	8	3	637	21
22	3	25	9	3	620	22
23	3	30	10	2	620	23
BY		37	12	4	15224	7

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

FOURTH OF DECEMBER

HOUR	STRATUS												MONTH
	CUHAULUS	CIRRUS	STRATOCUMULUS	FRACSTOSTRATUS	ALTOSTRATUS	NIMBOSTRATUS	OBSERVATIONS	HOUR					
0	24	10	16	2	635	0	1	1	1	1	1	1	1
1	24	11	16	2	637	1	2	2	2	2	2	2	2
2	25	12	15	3	639	3	3	3	3	3	3	3	3
3	22	11	14	1	639	4	4	4	4	4	4	4	4
4	21	12	13	2	639	5	5	5	5	5	5	5	5
5	23	14	14	3	640	6	6	6	6	6	6	6	6
6	21	14	22	3	638	7	7	7	7	7	7	7	7
7	30	14	20	30	639	8	8	8	8	8	8	8	8
8	40	20	20	30	651	9	9	9	9	9	9	9	9
9	49	24	30	30	650	10	10	10	10	10	10	10	10
10	44	19	28	5	652	11	11	11	11	11	11	11	11
11	47	18	28	5	661	12	12	12	12	12	12	12	12
12	51	21	30	5	659	13	13	13	13	13	13	13	13
13	47	15	22	3	658	14	14	14	14	14	14	14	14
14	10	15	24	3	646	15	15	15	15	15	15	15	15
15	12	16	24	3	649	16	16	16	16	16	16	16	16
16	9	16	27	3	627	17	17	17	17	17	17	17	17
17	12	17	21	2	616	18	18	18	18	18	18	18	18
18	13	19	21	2	635	19	19	19	19	19	19	19	19
19	12	15	19	3	629	20	20	20	20	20	20	20	20
20	12	13	19	3	623	21	21	21	21	21	21	21	21
21	13	10	17	2	628	22	22	22	22	22	22	22	22
22	11	11	16	1	620	23	23	23	23	23	23	23	23
23	13	17	17	1	15	21							3
BY					15361								

## SECTION IV

### WEATHER

	PAGE
Table VIII. (a) Monthly and Annual Mean Precipitation (Inches) at Seven WSMR Sites -----	90
(b) Annual Rainfall (Inches) by Years at "A" Station 1950-1973 -----	90
(c) Monthly and Annual Precipitation Means and Extremes (Inches) at "A" Station 1950-1973 -----	91
(d) Monthly and Annual Mean and Maximum Snowfall (Inches) at "A" Station 1950-1973 -----	91
Table IX. Minimum, Maximum, and Mean Number of Days Per Month for Various Weather Conditions -----	92
Table X. Minimum, Maximum, and Mean Duration in Hours of the Various Weather Conditions by Month -----	93
Table XI. Diurnal Variations of the Relative Frequency Distribution of Weather Conditions by Month and by Hour (In Percent) -----	94

TABLE VIII (a)

MONTHLY AND ANNUAL MEAN PRECIPITATION (INCHES) AT SEVEN WSMR SITES

Site	A	WSD	HMN	SMR	APA	JAL	STA
Elevation	4,238	3,989	4,070	3,999	3,956	4,051	4,940
Period of Record	1950-73	1963-73	1964-73	1964-73	1964-73	1966-73	1963-73
Jan	0.48	0.29	0.41	0.29	0.29	0.26	0.12
Feb	0.57	0.40	0.40	0.39	0.18	0.34	0.19
Mar	0.52	0.25	0.53	0.26	0.17	0.14	0.29
Apr	0.22	0.14	0.12	0.13	0.12	0.07	0.10
May	0.23	0.15	0.30	0.16	0.15	0.37	0.30
Jun	0.89	1.39	0.98	1.04	0.96	0.77	0.97
Jul	2.29	1.94	1.86	1.89	1.35	1.82	1.71
Aug	1.86	2.06	1.95	2.48	2.13	1.50	2.13
Sep	1.29	1.39	1.32	1.15	1.21	1.07	1.27
Oct	1.06	0.75	1.04	0.77	0.63	0.98	0.96
Nov	0.42	0.37	0.34	0.35	0.35	0.44	0.25
Dec	0.76	0.47	0.62	0.64	0.58	0.55	0.52
Annual	10.59	10.20	8.76	9.55	7.87	8.27	8.80

TABLE VIII (b)

ANNUAL RAINFALL (INCHES) BY YEARS AT "A" STATION  
1950-1973

Year	Rainfall	Year	Rainfall
1950	6.41	1962	14.07
1951	7.08	1963	7.56
1952	9.32	1964	9.22
1953	5.30	1965	12.40
1954	5.91	1966	16.63
1955	9.27	1967	10.12
1956	3.92	1968	12.99
1957	10.37	1969	13.53
1958	20.02	1970	8.41
1959	11.45	1971	8.75
1960	11.25	1972	16.19
1961	12.62	1973	11.38

TABLE VIII (c)

MONTHLY AND ANNUAL PRECIPITATION MEANS AND EXTREMES (INCHES) AT "A" STATION  
1950-1973

Month	Mean	Greatest Monthly	Year	Greatest 24-Hour* Rainfall	Date
Jan	0.48	1.50	1960	0.96	11-1960
Feb	0.57	1.74	1957	1.01	28-1953
Mar	0.52	3.00	1958	1.46	5, 6-1958
Apr	0.22	1.37	1952	0.95	11-1952
May	0.23	0.95	1959	0.82	23-1959
Jun	0.89	7.42	1966	2.40	29-1966
Jul	2.29	5.63	1962	2.50	14, 15-1973
Aug	1.86	6.32	1959	4.25	23, 24-1959
Sep	1.29	5.76	1958	2.96	11, 12-1964
Oct	1.06	3.65	1955	1.91	3, 4-1955
Nov	0.42	2.40	1961	0.89	8-1961
Dec	0.76	2.43	1965	1.0*	14, 15-1967
Annual	10.59	20.02	1958		

\* Any consecutive 24-hour period.

TABLE VIII (d)

MONTHLY AND ANNUAL MEAN AND MAXIMUM SNOWFALL (INCHES) AT "A" STATION  
1950-1973

Month	Mean Snowfall	Maximum Snowfall	Date
Jan	1.3	6.9	1972
Feb	1.5	8.6	1952
Mar	0.5	3.5	1958
Apr	T	T	1973*
May	0.0	0.0	
Jun	0.0	0.0	
Jul	0.0	0.0	
Aug	0.0	0.0	
Sep	0.0	0.0	
Oct	T	T	1973*
Nov	0.8	6.2	1961
Dec	2.4	14.9	1967
Annual	6.5	18.5	1960

\* Trace also recorded in earlier years.

TABLE IX  
 MINIMUM, MAXIMUM, AND MEAN NUMBER OF DAYS PER MONTH FOR THE FOLLOWING WEATHER CONDITIONS  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH	MAX	MEAN	MIN	THUNDERSTORMS			RAIN SHOWERS			SNOW SHOWERS			FOG			DUST			BLLOWING DUST			BLLOWING SAND			DAYS OBSERVED		
				MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN
JAN	2	0	0	9	4	0	7	2	0	6	1	0	4	1	0	678	623	0	1	0	0	0	0	0	0	0	0
FEB	2	0	0	13	4	0	4	2	0	4	1	0	12	2	0	623	679	0	0	0	0	0	0	0	0	0	0
MAR	2	1	0	14	5	0	4	2	0	1	0	0	10	3	0	679	657	0	0	0	0	0	0	0	0	0	0
APR	4	1	0	11	4	0	2	0	0	1	0	0	10	5	0	657	683	0	0	0	0	0	0	0	0	0	0
MAY	6	2	0	9	4	0	1	0	0	0	0	0	7	0	0	683	660	0	0	0	0	0	0	0	0	0	0
JUN	13	5	0	17	6	2	0	0	0	3	0	0	7	0	0	660	682	0	0	0	0	0	0	0	0	0	0
JUL	20	11	5	23	13	8	4	2	0	2	0	0	5	0	0	682	684	0	0	0	0	0	0	0	0	0	0
AUG	17	11	4	25	13	8	0	0	0	5	0	0	5	0	0	684	662	0	0	0	0	0	0	0	0	0	0
SEP	10	4	0	14	8	0	0	0	0	0	0	0	2	0	0	662	689	0	0	0	0	0	0	0	0	0	0
OCT	8	2	0	12	5	0	1	0	0	5	4	1	5	0	0	689	659	0	0	0	0	0	0	0	0	0	0
NOV	5	2	0	9	3	0	1	0	0	6	2	0	6	0	0	659	695	0	0	0	0	0	0	0	0	0	0
DEC	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	695	0	0	0	0	0	0	0	0	0	0	0

TABLE X  
 MINIMUM, MAXIMUM, AND MEAN DURATION IN HOURS OF THE FOLLOWING BY MONTH  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH	MAX	MEAN	MIN	RAIN			SNOW			DUST			BLUING DUST			BLUING SAND			OBSERVATIONS		
				THUNDERSTORMS	RAINFALL	DRIZZLE	SHOWER	GRAINS	PELLETS	SLEET	FOG	GROUND	FOG	FOG	BLUING	BLUING	BLUING	BLUING	BLUING	BLUING	
JAN	2	0	0	77	15	0	37	11	0	50	6	0	10	3	0	15680					
FEB	2	0	0	61	14	0	45	9	0	17	4	0	65	9	0	14372					
MAR	2	1	0	53	15	0	22	5	0	12	1	0	78	12	0	15761					
APR	7	1	0	35	8	0	3	0	0	7	0	0	80	15	0	15082					
MAY	12	3	0	17	6	0	1	0	0	0	0	0	29	6	0	15550					
JUN	75	8	0	53	12	0	1	0	0	12	0	0	26	4	0	14870					
JUL	55	20	8	67	28	14	0	0	0	10	1	0	9	2	0	15544					
AUG	45	20	4	72	26	8	1	0	0	3	0	0	4	0	0	15750					
SEP	18	8	0	68	19	0	0	0	0	15	1	0	6	1	0	15227					
OCT	10	2	0	45	16	0	4	0	0	8	1	0	13	2	0	15978					
NOV	4	0	0	55	13	0	30	5	0	32	3	0	24	3	0	15124					
DEC							71	16	0	47	9	0	20	2	0	15237					

TABLE XI  
 DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
 BY MONTH AND BY HOUR (IN PERCENT)  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

MONTH OF JANUARY

HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	HOUR
0	0	0	0	0	0	1	0	650	0
1	2	2	1	0	0	1	0	656	1
2	3	2	2	0	0	2	0	656	2
3	2	3	2	0	0	1	0	656	3
4	3	2	1	0	0	1	1	654	4
5	6	6	1	2	2	2	1	655	5
6	7	8	2	2	2	2	1	656	6
7	8	9	3	3	3	3	0	657	7
8	9	10	3	3	3	3	0	660	8
9	10	10	3	3	3	3	0	662	9
10	10	10	3	3	3	3	0	663	10
11	11	11	3	3	3	3	1	663	11
12	12	12	2	2	2	2	1	659	12
13	13	13	2	2	2	2	1	660	13
14	14	14	2	2	2	2	1	661	14
15	15	15	2	2	2	2	1	661	15
16	16	16	2	2	2	2	1	660	16
17	17	17	2	2	2	2	1	649	17
18	18	18	2	2	2	2	1	640	18
19	19	19	2	2	2	2	1	638	19
20	20	20	2	2	2	2	0	640	20
21	21	21	2	2	2	2	0	639	21
22	22	22	2	2	2	2	0	640	22
23	23	23	2	2	2	2	0	641	23
BY MONTH	0	2	2	0	0	1	0	15692	

TABLE XI (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

## MONTH OF FEBRUARY

HOUR	THUNDER	STORMS	RAIN	SNOW	HAIL	FREEZING RAINFALL	FOG	DUST	OBSERVATIONS	HOURLY
0	0	2	1	0	0	0	0	0	603	0
1	0	2	1	0	0	0	0	1	604	1
2	0	2	1	0	0	0	0	2	603	2
3	0	3	1	0	0	0	0	3	603	3
4	0	2	2	0	0	0	0	4	604	4
5	0	2	2	0	0	0	0	5	605	5
6	0	0	0	0	0	0	0	6	603	6
7	0	1	1	1	2	2	1	7	604	7
8	0	1	1	2	2	2	1	8	603	8
9	0	0	0	0	0	0	0	9	604	9
10	0	0	0	0	0	0	0	10	604	10
11	0	0	0	0	0	0	0	11	604	11
12	0	0	2	2	2	2	1	12	605	12
13	0	0	3	3	3	3	3	13	604	13
14	0	0	3	3	2	2	2	14	604	14
15	0	0	3	2	2	2	3	15	605	15
16	0	0	3	2	2	2	1	16	604	16
17	0	0	3	2	2	2	1	17	594	17
18	0	0	3	2	2	2	2	18	586	18
19	0	0	2	2	2	2	1	19	585	19
20	0	0	2	2	2	2	1	20	585	20
21	0	0	2	2	2	2	1	21	586	21
22	0	0	2	2	2	2	1	22	586	22
23	0	0	0	0	0	0	0	23	584	23
BY MONTH										14372

TABLE XI (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF MARCH	OBSERVATIONS HOUR												MONTH
	THUNDER	STORMS	RAIN	SNOW	HAIL	FREEZING	RAIN	FOG	DUST	WIND	WATER		
0	0	2	1	0	0	0	0	0	0	0	0	0	0
1	0	3	1	0	0	0	0	0	0	1	0	0	0
2	2	2	1	0	0	0	0	0	0	2	0	0	0
3	3	3	1	0	0	0	0	0	0	3	0	0	0
4	2	2	0	0	0	0	0	0	0	4	0	0	0
5	3	3	0	0	0	0	0	0	0	5	0	0	0
6	2	2	2	0	0	0	0	0	0	6	0	0	0
7	6	7	0	0	0	0	0	0	0	7	0	0	0
8	9	6	0	0	0	0	0	0	0	8	0	0	0
9	10	10	1	0	0	0	0	0	0	9	0	0	0
10	11	11	2	0	0	0	0	0	0	10	0	0	0
11	12	12	2	0	0	0	0	0	0	11	0	0	0
12	13	13	2	0	0	0	0	0	0	12	0	0	0
13	14	14	1	0	0	0	0	0	0	13	0	0	0
14	15	15	1	0	0	0	0	0	0	14	0	0	0
15	16	16	1	0	0	0	0	0	0	15	0	0	0
16	17	17	0	0	0	0	0	0	0	16	0	0	0
17	18	18	0	0	0	0	0	0	0	17	0	0	0
18	19	19	0	0	0	0	0	0	0	18	0	0	0
19	20	20	0	0	0	0	0	0	0	19	0	0	0
20	21	21	0	0	0	0	0	0	0	20	0	0	0
21	22	22	0	0	0	0	0	0	0	21	0	0	0
22	23	23	0	0	0	0	0	0	0	22	0	0	0
23										23			
													15761

TABLE XI (CONT.)

**DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
BY MONTH AND BY HOUR (IN PERCENT)**  
**A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO**  
**PERIOD OF RECORD 1951 - 1973**

MONTH OF APRIL

TABLE XI. (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF MAY

HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING FOG	DUST	OBSERVATIONS	HOUR
0	0	0	0	0	0	0	651	0
1	1	1	0	0	0	0	651	1
2	0	0	0	0	0	0	653	2
3	0	0	0	0	0	0	653	3
4	1	1	1	1	1	1	646	4
5	0	0	0	0	0	0	646	5
6	0	0	0	0	0	0	664	6
7	0	0	0	0	0	0	664	7
8	0	0	0	0	0	0	665	8
9	0	0	0	0	0	0	665	9
10	0	0	0	0	0	0	10	10
11	1	1	1	1	1	1	664	11
12	1	1	1	1	1	1	665	12
13	0	0	0	0	0	0	664	13
14	0	0	0	0	0	0	665	14
15	1	1	1	1	1	1	664	15
16	1	1	1	1	1	1	665	16
17	1	1	1	1	1	1	631	17
18	1	1	1	1	1	1	622	18
19	1	1	1	1	1	1	622	19
20	1	1	1	1	1	1	608	20
21	1	1	1	1	1	1	606	21
22	1	1	1	1	1	1	607	22
23	1	1	1	1	1	1	606	23
BY MONTH	0	0	0	0	0	0	15550	1

TABLE X I. (CONT.)

**DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973**

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TABLE XI (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF JULY

HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	MONTH
0	0	0	0	0	0	0	0	0	0
1	2	6	0	0	0	0	0	628	1
2	2	5	0	0	0	0	0	654	2
3	2	5	0	0	0	0	0	654	3
4	4	4	3	3	3	2	2	665	4
5	1	0	0	0	0	0	0	664	5
6	7	6	9	6	1	0	0	663	6
7	0	0	0	0	0	0	0	662	7
8	0	0	0	0	0	0	0	663	8
9	0	0	0	0	0	0	0	663	9
10	0	1	3	5	0	0	0	663	10
11	0	0	0	0	0	0	0	663	11
12	0	0	0	0	0	0	0	665	12
13	0	0	0	0	0	0	0	665	13
14	0	0	0	0	0	0	0	663	14
15	0	0	0	0	0	0	0	663	15
16	0	0	0	0	0	0	0	643	16
17	0	0	0	0	0	0	0	649	17
18	0	0	0	0	0	0	0	621	18
19	0	0	0	0	0	0	0	619	19
20	0	0	0	0	0	0	0	609	20
21	0	0	0	0	0	0	0	610	21
22	0	0	0	0	0	0	0	611	22
23	0	0	0	0	0	0	0	610	23
BY MONTH	3	5	0	0	0	0	0	0	0

15544

TABLE XI (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973

MONTH OF AUGUST

HOUR	THUNDER STORMS	RAIN	SNOW	HAJL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	HOURLY
0	3	5	0	0	0	0	0	656	0
1	2	5	0	0	0	0	0	666	1
2	2	6	0	0	0	0	0	666	2
3	1	5	0	0	0	0	0	665	3
4	4	3	2	2	2	0	0	666	4
5	5	0	0	0	0	0	0	664	5
6	6	0	0	0	0	0	0	662	6
7	7	0	0	0	0	0	0	665	7
8	8	0	0	0	0	0	0	665	8
9	9	0	0	0	0	0	0	665	9
10	10	1	2	2	3	4	6	664	10
11	11	2	4	6	8	6	6	666	11
12	12	4	6	7	7	6	6	665	12
13	13	5	7	6	5	6	5	666	13
14	14	5	7	5	5	5	5	664	14
15	15	6	8	7	7	6	6	665	15
16	16	7	7	6	6	6	6	665	16
17	17	7	7	5	5	5	5	648	17
18	18	6	7	5	5	5	5	635	18
19	19	7	7	5	5	5	5	635	19
20	20	5	5	4	4	4	4	634	20
21	21	5	4	3	3	3	3	635	21
22	22	5	4	3	3	3	3	635	22
23	23	5	4	3	3	3	3	633	23
BY MONTH								0	0
								15750	

TABLE XI (CONT.)

**DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973**

MONTH OF SEPTEMBER

HOUR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
MONTH	152227																							
THUNDER STORMS	3	2	3	3	4	3	3	3	2	2	2	2	3	2	3	3	3	4	4	5	4	3	3	3
RAIN	1	1	0	0	1	0	0	0	0	0	0	1	2	3	3	4	3	2	2	2	1	1	1	1
SNOW	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FOG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DUST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FREEZING RAIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OBSERVATIONS	642	640	638	640	641	641	639	637	637	637	638	638	640	641	640	638	640	638	640	623	621	620	622	623

TABLE XI (C. RIT)

**DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973**

TABLE XI (CONT.)  
 DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
 BY MONTH AND BY HOUR (IN PERCENT)  
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
 PERIOD OF RECORD 1951 - 1973

HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	HOUR	MONTH OF NOVEMBER																												
										0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	BY MONTH				
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE XI (CONT.)

**DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS  
BY MONTH AND BY HOUR (IN PERCENT)  
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO  
PERIOD OF RECORD 1951 - 1973**

MONTH OF DECEMBER

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